Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

RECEIVED AUG 14 1950 THE CHEMISTS' CLUB LIBRARY

Volume 158 No. 7 | 30 Church Street, New York 7, N. Y. | August 14, 1950

Diethylaminoethanol

Ethylethanolamines 161

For additional information, write to Dept. O:

SHARPLES CHEMICALS INC.

PHILADELPHIA 9
CHICAGO 4
NEW YORK 1

SHARPLES TRADE MARK CHEMICALS

METHANOL

ALL GRADES

TANK CARS TANK WAGONS DRUMS

WM. S. GRAY & CO.

342 MADISON AVENUE, NEW YORK 17, N. Y.

Cable Address: GRAYLIME Phone MUrray Hill 2-3100

Baker's ANALYZED REAGENTS FINE CHEMICALS

BISMUTH SALTS

Bismuth Nitrate—Subnitrate
Subcarbonate—Subgallate

J. T. Baker Chemical Co. Phillipsburg, N. J.

NEW YORK · PHILADELPHIA · LOS ANGELES · BOSTON · CHICAGO

GOOD NEWS FOR USERS OF DU PONT "OPALWAX"

HYDROGENATED CASTOR OIL

Now available in quantity
Du Pont "Opalwax"
Hydrogenated Castor Oil—
Consistent high quality
for 13 years

POLYCHEMICALS DEPARTMENT

E. I. du Pont de Nemours & Co. (Inc.)
Wilmington 98, Delaware

DU PONT REG. U.S. PAT. OFF.

BETTER THINGS FOR BETTER LIVING
. . . THROUGH CHEMISTRY

HIGH-PRESSURE CHEMICALS SYNTHETICS

Available again—

STANNOCHLOR

(Anhydrous Stannous Chloride)

Possesses important advantages over Tin Crystals in stability, concentration and purity . . . . . .

A Metal & Thermit Product

PRIOR CHEMICAL CORPORATION · NEW YORK

420 Lexington Avenue

CABLE: PRIORCHEM NEW YORK
PHONE: LExington 2-9811

BORAX AND BORIC ACID

Technical and U.S.P. Grades
GRANULAR • POWDERED
CRYSTAL • IMPALPABLE

Special Quality Grade
GRANULAR • POWDERED

Anhydrous Borax
Anhydrous Rasorite
Rasorite Special Concentrates
Fertilizer Borates
Ammonium Biborate
Ammonium Pentaborate
Sodium Metaborate
Potassium Pentaborate
Borax Glass
Anhydrous Boric Acid

Herbicides BORASCU • CONCENTRATED BORASCU • POLYBOR • POLYBOR CHLORATE

PACIFIC COAST BORAX CO.

Division of Borax Consolidated, Limited

LOS ANGELES NEW YORK CHICAGO CLEVELAND

MANUFACTURERS OF THE FAMOUS "20 MULE TEAM" PACKAGE PRODUCTS

FOR BETTER OIL AND GREASE ADDITIVES

Barium Hydrate

FLAKES

New commercial forms of readily-soluble barium values. Free flowing. Easy to handle. Both available in quantity for prompt shipment.

Can be furnished as Barium Octa-Hydrate or Barium "Penta" Hydrate. The latter form contains the equivalent of only five molecules of water, thereby cuts freight costs.

We also invite inquiries for:

BARIUM OCTA HYDRATE CRYSTALS

BARIUM OXIDE
BARIUM PEROXIDE
BARIUM NITRATE
BARIUM CARBONATE
BARIUM SULFATE (BLANC FIXE)
ALUMINA HYDRATE

Westvaco CHEMICALS

TRADE MARK

as well as

ALKALIS — CHLORINATED SOLVENTS

PHOSPHATES — MAGNESIUM OXIDES,

BARIUM AND RELATED CHEMICALS.

WESTVACO CHEMICAL DIVISION
FOOD MACHINERY AND CHEMICAL CORPORATION
GENERAL OFFICES • 405 LEXINGTON AVENUE, NEW YORK 17
CHICAGO, ILL. • CLEVELAND, OHIO • CINCINNATI, OHIO
ST. LOUIS, MO. • LOS ANGELES, CALIF. • NEWARK, CALIF.

fmc

AUG 14 '50

Oil, Paint and Drug Reporter

Volume 158 No. 7 | 30 Church Street, New York 7, N. Y. | August 14, 1950

Potash Salts Deliveries Hit Peak in Apr.—June

Potash deliveries during the second quarter of 1950 in North America by the five major American potash producers and three importers totaled 693,247 tons of potash salts containing an equivalent of 392,687 tons of K_2O, a new high, the American Potash Institute announced August 7. It represented an increase of 16 percent in salts and 21 percent in K_2O over the tonnage delivered during the corrsponding period in 1949. Imports comprised 57,044 tons K_2O in the above and included those from France and Western Germany during the entire first half of 1950.

Deliveries for agricultural purposes in the United States, Canada, Cuba, Hawaii, and Puerto Rico (institute countries) amounted to 652,939 tons of salts, equivalent to 367,820 tons of K_2O, consisting of 331,007 tons as muriate, 2,086 tons as manure salts, and 34,727 tons as sulphate of potash and sulphate of potash-magnesia. Deliveries for chemical purposes amounted to 32,896 tons of salts, equivalent to 20,402 tons of K_2O.

During the first six months of 1950, total North American deliveries including imports amounted to 1,115,737 tons of salts containing an equivalent of 633,256 tons K_2O. This represented a decrease of 4 percent in salts and an increase of 2 percent in K_2O over the same period in 1949. Deliveries of potash for agricultural use in institute countries totaled 1,037,391 tons of salts with an equivalent of 584,923 tons of K_2O, a decrease of 6 percent in salts and an increase of 1 percent in K_2O over last year.

Making up these agricultural deliveries were 530,492 tons K_2O as muriate, 2,788 tons K_2O as manure salts, and 51,643 tons K_2O as sulphate of potash and as sulphate of potash-magnesia. The chemical industries took 62,877 tons of potash salts containing an equivalent of 39,034 tons of K_2O, a 16 percent increase over the first half of 1949. Exports to other than institute countries amounted to 9,299 tons K_2O, an increase of 52 percent over last year.

North American Potash deliveries in the first six months of 1950, as compared with 1949, were reported in short tons K_2O as follows:—

	[January-June] 1950	1949
Muriate	530,492	509,786
Manure salts	2,788	33,427
Sulphate and sul. pot. mag.	51,643	35,807
Total Agricultural	584,923	579,020
Exports	9,299	6,103
Chemical grades	39,034	33,649
Grand total	633,256	618,772

Critical Industries Being Probed by House Group

A special subcommittee of the house commerce committee has been created to investigate critical industries and defense against bacterial warfare. One of the first items on the agenda will be a consideration of the effects of increased demand for chemicals, synthetic rubber and high octane gasoline.

The subcommittee will also look into allocation of steel to such fields as freight-car building, petroleum exploration and interstate oil and gas lines. It will also check the state of medical care, facilities and research to cope with epidemics, emergencies and bacterial warfare.

Senate Comm. Favors Tax Exemption of Coconut Oil

The senate finance committee last week voted favorably on a house-approved bill granting exemption of the 2-cents-per-pound processing tax on coconut oil derived from copra originating in the trust territory of the Pacific islands. Coconut oil derived from copra originating in the Philippines or any United States possession already is exempted from the processing tax.

Oil Leases Offered

Department of Interior is offering 160 acres of California, and eighty acres of Michigan and New Mexico oil lands for lease-sale. Royalties to the government are at the rate of 12½ percent to 25 percent for oil and 12½ percent to 16⅔ percent for gas. Bids will be opened September 6 in Washington.

Alcohol Bill to Truman

A bill giving the Commissioner of Internal Revenue the power to subpoena witnesses and documents at hearings concerning denials and revocations of industrial alcohol permits was passed by the senate last week. The measure was sent to the White House for action by the president.

Price Trend Is Still Upward

Prices were changed on 110 items in the markets for chemicals and related materials last week; more than 80 percent of the changes were advances. The results were higher average levels for eight of the ten major divisions—no lower ones—and another raise of 1.4 points for the overall price index number. The index is now higher than it had been since the downward trend began at the end of the third quarter of 1949.

Heavy (inorganic) chemicals got a goodly share of the price-boosting attention last week. A notable item was the advance in glacial acetic acid and acetic anhydride, which affected monochloroacetic acid and lead, sodium, butyl, and ethyl acetates. Tin got a big boost, which carried up all its important salts. A novel movement was an advance in bleaching powder. Aluminum sulphate and sal ammoniac also were upped.

Coaltar chemicals got boosted also—phenol, cresols, cresylic acid, anilins, cyclohexanols, nitrobenzene, salicylic acid, and methyl salicylate. Other organics on the upside included butyl, ethyl, and isopropyl alcohols, and butyl stearate. Aminomethylpropanol was reduced.

Oils and fats were mostly on the upside; sardine oil, greases, and tallow were reduced. Waxes were advanced. Egg products got another hoist. Domestic casein was advanced; imported was reduced. Sago flour was up; potato starch was down. Shellac was advanced.

Price movements in botanical drugs were 6 to 1 on the upside. Spices were a bit more evenly divided but advances predominated. Black pepper was upped. White was lowered. Advances outnumbered reductions almost 3 to 1 with reference to essential oils. Citral and menthol were upped.

Manufacturing demand showed some shrinkage in various important areas. Production of glass has had to be curtailed because of the shortage of soda ash. The same is true of sodium phosphates. British ash is being offered here. The scarcity of chlorine has slowed down, here and there stopped, production operations in various chemical lines, especially insecticides. Another consequence, scarcity of sal ammoniac, is beginning to make trouble with a potential military crisis in the battery field. Profiteering is taking on a deeper gray color in all scarce materials at resale.

Oriental goods—essential oils, spices, shellac, and others—are beginning to react under the pinching of supplies. Even goods of European origin are being upped in price. That ethical law of supply and demand, you know. It is interesting to note that demand also is falling off.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Aug. 11, 1950	Aug. 4, 1950	Dec. 30, 1949	Aug. 12, 1949
128.1	126.7	124.8	128.7

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.0
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	123.5

FDA Proposed Bread Standards List Chemicals Approved for Use

Preliminary conclusions on proposed standards of identity for bread, rolls and buns, which contain specific instructions on the use of chemicals in the baking of these products, were published in the *Federal Register* August 8.

The standards were drawn up by the Food and Drug Administration after nine years of hearings. Although FDA did not state when its order becomes effective, it did say that any interested person whose appearance was filed at the last hearing, which ended August 12, 1949, may file exceptions to the order, in quintuplicate, with the hearing clerk, Federal Security Agency, Room 5109, Federal Security Building, Washington, D. C., within thirty days of August 8.

Optional ingredients which may be used in the baking of bread, rolls and buns were listed as follows:—

Shortening, which may contain lecithin and which may contain not more than 25 percent by weight of mono- and diglycerides of fat-forming fatty acids.

Harmless lactic acid producing bacteria.

Calcium sulphate, calcium lactate, calcium carbonate, ammonium phosphates, ammonium sulphate, ammonium chloride, monocalcium phosphate, dicalcium phosphate, or any combination of two or more of these; but the total quantities of such ingredients (not including the monocalcium phosphate in any phosphated flour used) should not be more than 0.25 part for each 100 parts by weight of flour used.

Potassium bromate, potassium iodate, calcium peroxide, or any combination of two or more of these; but the total quantity thereof (including the potassium bromate in any bromated flour used) should not be more than 0.0075 part for each 100 parts by weight of flour used.

Monocalcium phosphate, but the total quantity thereof, including the quantity in any phosphated flour used and any quantity added as permitted should be more than 0.25 part but not more than 0.75 part by weight for each 100 parts by weight of flour used.

Calcium propionate, sodium propionate, or any mixture of these, but the total quantity thereof should not be more than 0.32 part for each 100 parts by weight of flour used.

Sodium diacetate, but the quantity thereof should not be more than 0.4 part for each 100 parts by weight of flour used; or

Lactic acid, in such quantity that the pH of the finished bread is not less than 4.5.

FDA stated that there was no justification for use of amino acids as a substitute for the oxidizing agent in bread or rolls, and added that the evidence does not justify a finding that the recognition of the following materials as optional ingredients in bread, rolls or buns would promote honesty and fair dealing in the interest of the consumer:

Mono- and diglycerides of acetylated tartaric acid; cheese when containing calcium sulphate; ammonium persulphate and potassium persulphate; sorbitan esters of fatty acids, polyoxyethylene sorbitan esters of fatty acids and polyoxyethylene esters of fatty acids.

The three hearings were in 1941, 1943, and the last and longest from November 30, 1948, until August 12, 1949. Proposed findings and standards were issued in 1943, but final standards were not issued after the first two hearings because of war conditions. The last hearing was prolonged by controversies, particularly over whether certain ingredients not in general use before World War II should be added to the permissible bread ingredients listed in the 1943 tentative order.

Atlas to File Exceptions To Conclusions of FSA

Isaac Fogg, President of Atlas Powder Company, Wilmington, Del., made the following statement in response to inquiries concerning the tentative bread standard issued by the Federal Security Administrator:—

"Atlas Powder Company is surprised by the failure of the Federal Security Administrator, in his 'preliminary conclusions' to include food emulsifiers of the type manufactured by Atlas as optional ingredients in the tentative standard for bread, rolls and buns.

"The 'Span,' 'Tween' and 'Myrj' type emulsifiers, developed and produced by Atlas over a period of ten years, have been found extremely useful for improving bread and other baked goods. Testimony by representative bakers and cereal chemists during the hearings before the Food and Drug Administration attested to this fact.

Will File Exceptions

"We have not yet had the opportunity to make a detailed study of the administrator's 'preliminary conclusions.' However, even on the basis of our initial examination, it is certain that the company will file exceptions to the tentative standard in order to demonstrate that the Atlas emulsifiers should be included in any bread standard finally put into effect.

"We are confident that bakers will wish to continue to use these products to make better bread for the American public.

"One of the advantages imparted by Atlas emulsifiers is retention of softness in bread. The tentative standard apparently questions the desirability of this function. This is particularly surprising in view of the fact that other emulsifier compositions sold for similar purposes by large shortening manufacturers are included in the tentative standard.

"Although the findings of fact confirm the lack of evidence that any of these Atlas products are harmful, the administrator seemingly is not satisfied that they have been proved conclusively to be harmless.

"Atlas products have been tested to a degree rarely equalled for any food ingredient. Many independent scientists and leading research institutions have participated in this research program and have publicly expressed their confidence in the safety of our products for use in foods. Their investigations are continuing and, as in the past, their findings will be transmitted to the Food and Drug Administration."

West Germany Opens First Penicillin Plant

American High Commissioner John J. McCloy last week formally opened West Germany's first major penicillin plant, reported to be capable of producing 400,000,000,000 units monthly. The Frankfurt factory, in the former I. G. Farbenindustrie drug and dye plant, can produce more penicillin than West Germany requires.

Alcohol Plant Planned

Industrial Fermentation Company has announced plans to construct an industrial grain alcohol plant costing $5,000,000 at Liberal, Kans. The concern has taken a ninety-nine year option from the city on 220 acres of land near the Liberal airport.

NSRB Nominee Confirmed

The Senate has confirmed, without objection, President Truman's nomination of Robert J. Smith, of Dallas, Tex., to be vice-chairman of the National Security Resources Board.

Tidelands Oil Hearings Open in Senate Today

The senate interior committee will open hearings today, Monday, on legislation dealing with the tidelands oil dispute between the federal government and the states.

Senator Joseph C. O'Mahoney of Wyoming, chairman of the committee, who recently introduced a bill to authorize the Secretary of the Interior to impound revenues from the submerged oil lands until the courts and congress settle the controversy, said the purpose of the hearings will be to receive testimony with respect "solely to the interim legislation and not with respect to the merits of the various basic controversies involved."

OIT Tightens Export Controls On Many More Chemical Items

The Office of International Trade has added several chemical items to the export control "positive list" of commodities.

Effective August 10, validated exports licenses are now required for shipments of solid paraformaldehyde to all destinations outside the Western Hemisphere, and exports of the following items will require validated licenses for shipments to all destinations except Canada:

Polytrifluoroethylene grease, oil or wax; sodium bismuthate; all cobalt compounds; cobalt-containing pigments, and cobalt-containing paint and varnish driers. Formerly, these materials could be exported without validated licenses.

Phenyl naphthylamine and tetrabromo ethane were added, effective August 3, to the list of products requiring validated licenses for shipment to all destinations outside the Western Hemisphere.

Vanadium Products Exports

Additional destination controls have also been placed on exports of the following:—ferrovanadium; vanadium ore and concentrates, vanadic oxide (pentoxide V_2O_5) content; vanadium metal, alloys and scrap; and flue dust, vanadium. Validated licenses will now be required for shipments of these items to all destinations except Canada. Formerly, validated licenses were required only for shipments to destinations outside the Western Hemisphere.

In addition, changes have been made in the commodity descriptions of coal-tar coke and petroleum coke, and eight nonmetallic minerals. Changes made in the commodity descriptions of coke are for the purpose of clarification; while in most cases the effect of changing the descriptions of the nonmetallic minerals adds destination controls. The items on which additional destination controls have been place have also been excepted from the general "in-transit" license (GIT) procedure.

Exports from Japan

OIC actions also establish a procedure applying to exports of commodities originating in Japan (whether or not grown, produced or manufactured in that country), and which are shipped to or through the United States. All such shipments of items on the "positive list" may now be exported from the United States under general license only if the ultimate destination is the same as that shown in the bill of lading covering the shipment from Japan. Otherwise, a validated license is required for exports of controlled commodities originating in Japan. Similar limitations have been provided for exports of such commodities from United States foreign-trade zones.

These provisions are directed toward preventing diversion of shipments of "positive list" commodities originating in Japan to unauthorized destinations, OIT said.

Du Pont Rayon Division Post to W.S. Carpenter

E. I. du Pont de Nemours & Co., Wilmington, Del., has appointed W. Samuel Carpenter, 3d, assistant manager of the rayon division's planning section. Mr. Carpenter jointed du Pont in 1938 as a junior industrial engineer. From 1940 to 1942 he was in the nylon division working as a production planning assistant at the Seaford, Del., plant and at the company's Wilmington offices.

For the next five years Mr. Carpenter was a member of the engineering department, working in the industrial engineering and construction divisions. In 1947 he was made assistant to the director of production of the rayon division and two years later became assistant sales manager of "Cordura" high-tenacity rayon yarn. He has been acting manager of the planning section of the rayon division since January of this year.

Little Co. to Construct New Drug Plant in L. A.

Arthur D. Little, Inc., Cambridge, Mass., has contracted to design and construct a new pharmaceutical plant in Los Angeles for Riker Laboratories, Inc., wholly-owned subsidiary of Rexall Drug Company. The new plant will produce veriloid, a purified and standardized extract derived from *Veratum viride*, used in treatment of hypertension. The plant is expected to begin operation during the Fall of 1950.

Arthur D. Little cooperated with Riker Laboratories in the pilot plant stage of the development of the process, and has designed the commercial plant. It will now procure the equipment, supervise construction and installation and start up the commercial plant. General contractor for constructing the building and installing the equipment will be Louis C. Dunn, Inc., of Los Angeles.

Koppers Names Hartigan, Black, Sherwood, Snyder

Koppers Company, Pittsburgh, Pa., has appointed Raymond H. Hartigan manager of the laboratory section of the central research department. The company has also named Gordon Black and Peter W. Sherwood assistant manager of the development section and manager of the engineering branch of that section, respectively. In addition, W. C. Snyder, jr., vice-president and manager of the metallurgical department of the engineering and construction division of Koppers, has been appointed president of Freyn Engineering Company, Chicago, a wholly-owned Koppers subsidiary. Mr. Snyder succeeds the late Louis T. Shorley, formerly president and treasurer of Freyn.

ASTM Sets 1951-1952 National Meeting Dates

American Society for Testing Materials has announced the schedule of its 1951-1952 national meetings. Spring meeting and committee week next year will take place from March 5 to 9 in Cincinnati, Ohio. The 1951 annual meeting of the organization will be held from June 18 to 22 in Atlantic City, N. J.

ASTM's Spring meeting and committee week in 1952 has been scheduled for March 3 to 7 in Cleveland, Ohio. The 1952 annual meeting will take place June 23 to 27 in New York. The biennial apparatus and photographic exhibits will be held in conjunction with the 1952 annual meeting.

Northeast Oil Chemists Schedule Meeting Oct. 10

Northeast Oil Chemists Society will hold its next dinner meeting on October 10 at 6:30 p.m. at the Building Trades Employers Association, 2 Park avenue, New York. Guest speaker will be A. W. Segebreckt, eastern manager of the chemical division of Armour & Co., will talk on "Industrial Chemicals from Fats." Charge for the dinner will be $3.50 per plate.

N.Y.C. Smoke Regulations Omit Sulphur Content Clause

The Bureau of Smoke Control of the City of New York has struck from its new regulations the proposed restrictions on sulphur content of fuels burned in the city.

In the contemplated rules as presented at a public hearing August 3, there was a requirement that no fuel should contain more than 2 percent of sulphur by weight. Representatives of fuel producers and dealers protested the ruling and predicted that it ultimately would increase the price of fuels in the city.

William G. Christy, director of the Smoke Control Bureau, said August 8 that officials had found no general agreement among experts as to the maximum allowable content of sulphur in fuels which would be reasonable and practical and, therefore, had decided to "omit any sulphur content restriction from its rules at the present time."

Calco Pigment Appoints Havens West Coast Mgr.

F. B. Havens, formerly technical field service representative for the pigment department, American Cyanamid Company, Calco Chemical Division, Bound Brook, N. J., has been appointed Pacific Coast regional manager. He will make his headquarters in San Francisco, Calif.

A veteran of twenty years in the protective coatings and dry color industry, Mr. Havens joined Calco in 1945. Prior to that he was vice-president and chief chemist of the Prince Manufacturing Company.

Barrett Sales Manager

Malcolm E. Hunter has been appointed sales manager of direct application nitrogen materials of the Barrett Division, Allied Chemical & Dye Corporation, New York. In his new post Mr. Hunter is in charge of sales of nitrate of soda, "A-N-L," and other nitrogen fertilizer materials distributed by the company for direct application. He comes to Barrett from the Virginia-Carolina Chemical Corporation, Richmond, Va., where he served for twenty-eight years, most recently as general sales manager of that firm's fertilizer division.

Pitts. Chemical Meeting Planned for February 28

The 1951 Pittsburgh Conference of Analytical Chemistry and Applied Spectroscopy will be held from February 28 to March 2 at the William Penn hotel, Pittsburgh. The conference is jointly sponsored by the analytical chemistry group of the Pittsburgh section of the American Chemical Society and the Spectroscopy Society of Pittsburgh. An exposition of modern laboratory equipment will be a feature of the conferencee.

Sorbitol Output Increase Planned by Atlas Powder

Expansion of the sorbitol plant capacity at Atlas Point, Wilmington, Del., was announced August 8 by Atlas Powder Company. Capacity of the sorbitol units will be increased by nearly 50 percent and the new increased production will start about October 1, 1950. Atlas first started making sorbitol in commercial quantities at Atlas Point in 1937. In 1947, a new sorbitol plant was built at a cost of over $3,000,000.

Cosmetic Chemists Call Fall Meeting December 6

Society of Cosmetic Chemists will hold its Fall meeting on December 6 at the Biltmore hotel, New York. This will be the regular annual meeting at which technical papers will be read and discussed. Inquiries concerning technical papers should be addressed to the chairman of the program committee, Dr. Kenneth L. Russell, Colgate-Palmolive-Peet Company, 105 Hudson street, Jersey City 2, N. J.

Orleans Appoints Leaman Executive Vice-President

Orleans Company, New York, has appointed W. Edward Leaman, jr., executive vice-president in charge of the concern's new offices in Mexico City, Mexico. At the same time the company also has announced the inauguration of a special department to conduct business surveys and market research studies for those interested in Mexico and Latin America.

National Starch Products Elects Conway Director

Edward B. Conway has been elected a director of National Starch Products, Inc., New York. He is vice-president and director of F. Eberstadt & Co., and is also a director of Chemical Fund, Inc., Elliott Company and Hastings Manufacturing Company.

In This Issue

Acheson Transfers Weaver 39
ACS Paint Technicians Set Meeting 72
Alcohol Bill to Truman 3
Alcohol Unit Planned 3
Anahist Assigns Hewitt 68
API Rocky Mt. Dist. Meeting Set 39
Arkell & Smiths Names Robertson 49
Atlas Mineral Names Steiner 39
Atlas to File Exceptions 3
Belchetz Opens Offices 47
Bernite Powder Plant Damaged by Fire 79
British Review of German Drug Industry 59
Celanese Issues Brake Fluid Data 65
Central Paint Names Lauren 72
Childress Joins GE 77
Clinton Foods Appoints Light 5
Coconut Oil Tax Exemption Voted by Comm. 3
Continental Can Elects Eggesss 5
Copper Tax Suspension Plan Blocked 5
Critical Industries Under House Probe 3
Detroit Paint Club Golfs Tomorrow 72
Drums For Sale by USN 77
ECA Un'writes Brit. Chloromycetin Output. 59
Ethyl Corp. Names Taylor 47
Fatty Alcohol Data Offered 58
FDA Bread Standards Chemicals Listed 3
Flobeck Joins Diamond Alkali 45
Gane & Ingram Issues Price List 59
GBI Offers Catalog 65
Glass Container Shipments: June 45
Israel Firm Seeking Machinery 39
Jersey Standard Revives Service Plan 47
Liquid Metals Handbook Published 7
Menzies Joins Ball Bros 7
Metal Can Shipments: May 49
Mexico Awards Sulphur Rights 5
Monsanto Expands Plastics Research Staff. 72
NSRB Nominee Confirmed 3
NY Chemical Reserves Get Training 49
NY Paint Club Comm. Named 72
Oil Leases Offered 3
Oils, Fats Consumption: June 7
Olivier to Join Sterling Inst 79
Ortiz Changes Firm Name 68
Paint, Varnish, Lacquer Sales: June 70
Pennsalt's New Chemicals Unit in Operation. 5
Philippine Imports: April-June 45
Pitts. Plate Glass Names Peterson 78
Pond's Host to Publicists 58
Potash Salts Deliveries: Apr.-June 3
Reichhold Acquires New Plant 5
Remington Medal to Newcomb 5
Reynolds Stock Increase Voted 45
Shell Oil Publishes Greases Booklet 47
Simpson Joins Aries 7
Soap Sales Decreased: Jan.-June 5
Sodium Diacetate Data Offered 69
Sterling Research Men to Give Papers 68
Stogis Named by Thompson-Hayward 5
Texas Co. Promotes Four 5
Tidelands Oil Hearings Today 3
Victor Chemical Names Lucas 5
West Germany Opens First Penicillin Plant. 3
Wilson Leaves AEC 5
Winthrop-Stearns Invites Inspection 65

General Features

Advertising Index 79
Association Meeting Dates 7
Bids Wanted 78
Book Review 40
Classified Advertisements 78
Coke By-Products 50
Consulting Chemists and Engineers 61
Crude Oil Stocks 46
Current Market Quotations 9
Editorials 40
Foreign Market Lists 5
Foreign Sales Leads 5
Imports 60
Imports Detained 63
Obituaries 69
OPD Price Index 3
Trade Briefs 45, 58, 59, 61, 68, 72
Uses and Applications of Chemicals 75
Washington Talks It Over 5
Who Has It 4

Market Reports

Agricultural Chemicals 48
Botanical Drugs, Spices, Gums 63
Coaltar Chemicals 50
Drugs and Fine Chemicals 55
Essential Oils, Other Aromatics 66
Fertilizer Materials (see Agric. Chem.)
Heavy Chemicals 43
Oils, Fats and Waxes 73
Petroleum Derivatives 46
Protective Coating Materials 70
Textile and Leather Chemicals 53

SAACI Golfs Wednesday

Salesman's Association of the American Chemical Industry will hold its third golf outing of the season on August 16 at the Montclair Golf Club, Verona, N. J. Luncheon will be served from 11:30 a.m. to 2 p.m., while dinner is scheduled for 7:30 p.m. Golf and door prizes will be awarded. Overall price to members, including lunch, golf and dinner, is $15 per person.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Alpha - alphadimethylalphacarbobutoxydihydrogammapyrone.

Amylcrotonyl acetate.

Ethylhexanediol-1, 3.

Iso-octylphenol.

Trihexylphenidyl - 3 - (1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

Oil, Paint and Drug Reporter, Vol. 158, No. 7, August 14, 1950. Published every Monday by Schnell Publishing Company, Inc., 30 Church Street, New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1864, at the New York Post Office under the act of March 3, 1879. Copyright, 1950, by Schnell Publishing Company, Inc.

Soap Sales Decreased In January-June, 1950

Soap sales for the six months of 1950 were 11 percent below last year. The decrease was more than made up, however, by increased sales of synthetic detergents, with the combined total of both up nearly 4 percent, according to the Association of American Soap & Glycerine Producers.

Sales census reports to the association from eighty-three manufacturers, representing a very substantial portion of the industry's volume, show non-liquid soap sales amounting to 1,117,310,000 pounds, through June 30, 1950. In 1949, the total reported was 1,253,722,000 pounds.

Sales of synthetic detergents were reported by thirty-four companies for the six months at 521,903,000 pounds, compared to sales in 1949 reported by thirty-three companies at 325,376,000 pounds.

Liquid soap sold during the first half was reported by fifty-two companies at 2,220,000 gallons, compared to sales of 2,870,000 gallons reported by fifty-seven companies in 1949.

Victor Chemical Names Lucas; Assigns McCoy

Victor Chemical Works, Chicago, has appointed James W. Lucas superintendent of the firm's Mt. Pleasant, Tenn., plant. At the same time, the company assigned Floyd B. McCoy, general superintendent of Victor's phosphorus plants at Tarpon Springs, Fla., and Mt. Pleasant, additional duties relative to the installation and design of the concern's new electric furnace plant at Silver Bow, Mont.

Mr. Lucas joined Victor as an assistant in the blast furnace department in 1936. In 1949 he became assistant superintendent of the Mt. Pleasant plant.

Remington Medal Award To Dr. Newcomb Dec. 11

The New York branch of the American Pharmaceutical Association will present the Remington Medal to Dr. Edwin L. Newcomb at a dinner to be held in the Statler hotel, December 11. Dr. Newcomb, executive vice-president of the National Wholesale Druggists Association and secretary and managing director of the American Foundation for Pharmaceutical Education, will be cited for "forty years of service to American pharmacy in many highly important capacities."

Heads Chicago Office

Peter D. Stogis has been appointed general manager of the Chicago office of Thompson-Hayward Chemical Company. Mr. Stogis has been with the company for the past fifteen years, and since 1945 has been in charge of sales of industrial chemicals in the Chicago area. Thompson-Hayward is a distributor of industrial and agricultural chemicals in the midwest and southwest.

Texas Company Promotes Four on Executive Staff

The Texas Company last week elected J. S. Leach, vice-president with headquarters in Houston, executive vice-president with headquarters in New York. He has been succeeded in Houston by G. R. Bryant, general manager of the refining department.

In other organizationsal changes, the company named J. T. Wood, jr., now assistant to the president, as vice-president in charge of foreign operations (Western Hemisphere) and elected to the board of directors R. F. Baker, vice-president in charge of domestic producing operations, and A. C. Long, vice-president in charge of foreign operations (Eastern Hemisphere). C. E. Olmsted has resigned as a director and vice-president, effective October 1.

Washington Talks It Over

By Ralph L. Cherry

On the whole, the United States would find itself relatively better off in the matter of dependency on outside sources for drug supplies than it was at the start of the last war, should the Korean conflict blossom into a full scale offensive between the U. S. and Russia.

We would not have to worry too greatly about quinine or opium because of the development of synthetic substitutes, nor about agar, as a result of the development of a domestic industry on the west coast. Similarly, the synthetizing of pyrethrins and the development of DDT and other powerful bug killers has lessened our dependency on the natural products.

Where the shortage would hit the hardest, particularly if it developed into an atomic warfare, would be in supplies of streptomycin. Radiation deaths have been found to be due to the invasion of the blood by bacteria from the intestines. In tests recently on animals, streptomycin has been found to be 85 percent effective in preventing deaths due to radiation. Atomic warfare, therefore, conceivably would call for every available gram of streptomycin that could be produced.

Tax Reporting Eased

The Bureau of Internal Revenue has eased slightly the requirements covering the filing of employer's quarterly tax returns under the old age and survivors' insurance contribution act, to give an additional ten days within which to file the returns if certain conditions are met.

It has been the rule in the past that these returns had to be filed promptly on the last day of the first month following the close of the calendar quarter. This has been shoved up to the tenth day of the second month following the quarter if—and only if—the return is accompanied by depositary receipts, Form 450, showing timely deposits, in full payment of the taxes due for the entire calendar quarter.

This ten-day leeway will be a big help to companies with several branches or subsidiaries which have been under considerable pressure to meet the deadline to avoid penalties.

Hoover Medical Report

It appears to be almost certain that the Hoover commission is going to take a licking in congress on its proposal that all of the medical functions of the government, except the military hospitals, be placed within a single agency. For political reasons, congress can't bring itself around to supporting the program.

Bills carrying out the recommendation were the subject of hearings recently, both in the senate and house. At these hearings the only supporters were representatives of the citizens committee for the Hoover report. On the other side of the issue were such potent organizations, politically speaking, as the American Medical Association and all of the veterans organizations.

AMA wants a cabinet rank for the agency that would handle the consolidated health functions of the government, but the veterans organizations complaint is against the inclusion of the veterans hospitals within the new agency. They don't want veterans hospital questions mixed up with civilian. Their opposition has been so strong that Senator Robert Taft of Ohio, who is sponsoring the consolidation bill, has already given up any idea of action this year.

Oil Imports Dispute Cools

The Korean war has taken the heat off of the import problems that were beginning to plague the Administration with increasing intensity. Until the Korean Reds crossed the thirty-eighth parallel, a real show-down was shaping up between congress and the Administration on the imports question, particularly as regards petroleum and footwear.

Now, no one is concerned about the petroleum imports and only a few rumblings of discontent can still be heard over

—*Continued on page 40*

Copper Import Tax Suspension Plan Blocked by Senate Group

Efforts to lift the import tax on copper were blocked August 8, as the senate finance committee voted 9 to 4 against a measure calling for suspension of the 2-cents-per-pound duty. The bill had previously received approval by the house.

Two days later, President Truman emphasized that he was in favor of suspending the copper import tax and added that the tax ought never to have been put on in the first place. He said he had requested this time and time again.

Although the decisiveness of the committee vote against the measure apparently foreshadowed its doom, hopes for such action were revived by Senator McMahon of Connecticut, who introduced a one-year copper duty suspension as an amendment to a bill providing for duty-free imports of copper scrap and certain other metals. This scrap measure, previously passed by the house, received the endorsement of the senate finance committee in a separate action during the week.

Despite the continued drive to secure passage of some type of proposal that would remove the copper import tax, both industry and administration leaders were dismayed by the adverse turn of events in the senate committee. Of the thirteen members of the committee voting only Senators George of Georgia, Lucas of Illinois, Myers of Pennsylvania and Byrd of Virginia voted against tabling the bill.

The trade, meanwhile, pointed out that copper supplies are in a very critical position in this country. It was felt that removal of the import tax would open the way to an increasing flow of foreign material. However, with suspension stymied by the senate committee, the outlook was regarded as very bleak.

The duty, amounting to 2 cents per pound, went into effect on July 1 upon expiration of a law providing for suspension of the tax. During the past six weeks the house has approved two bills calling for suspension of the duty, one a temporary measure and, more recently, a one-year bill.

Reichhold Acquires New Plant in Chicago Area

Reichhold Chemicals, Inc., Detroit, Mich., has announced the purchase of a plant and property at 7738 West 61st place, Argo, Ill. The company stated that the acquired buildings, which provide approximately 150,000 square feet of floor space, will undergo immediate renovation, enlargement and equipment for large-scale production of a full line of synthetic resins and of a complete range of organic and inorganic pigments.

Output of the new plant at Argo is expected by the company to reach a minimum of $5,000,000, or from 8 percent to 10 percent of Reichhold's sales in this country, by the end of its first year of operations. At present, the concern operates seven manufacturing units in the United States and ten in foreign countries.

John Hafeli, Reichhold's director of technical sales service in the Chicago district, will continue in that capacity, and will aslo serve as plant manager of the Argo factory. He will be assisted by S. Severin as chief engineer and William Lang as plant superintendent.

All sales activities will continue from the concern's branch office at 122 South Michigan avenue, Chicago, under the direction of O. F. Johnson, district manager. Chemical color sales and resin sales to the paper and laminating industries will be handled by special representatives, who will join the Chicago sales staff as operations at Argo get under way.

Pennsalt's New Laundry Chemicals Plant Operating

A new plant for the manufacture of improved "Erusto" sours and other laundry products has gone into production at the Calvert City works of the Pennsylvania Salt Manufacturing Company, Philadelphia. The new plant is the first completed in a series of planned extensions to Pennsalt's basic hydrofluoric and sulphuric plants, which went into operation just a year ago. The new unit was built at a cost of approximately $250,000.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with the OPD office:—

Antibiotics—Milan, Italy (FZ-6, agency).
Botanical drugs—Europe, via Cuba (FZ-1).
Cascara bark—Europe, via Cuba (FZ-1).
Caustic soda—Mossoro, Brazil (FZ-9); Sobral, Brazil (FZ-12).
Chemical products—Fortaleza, Brazil (FZ-11).
Chemical specialties—Joao Pessoa, Brazil (FZ-10); Sao Paulo, Brazil (FZ-13).
Cosmestic—Managua, Nicaragua (FZ-5).
Dye tablet materials—Guayaquil, Ecuador (FZ-7).
Dyestuffs—Osaka, Japan (FZ-15).
Fats—Sao Paulo, Brazil (FZ-8).
Neoprene—Osaka, Japan (FZ-15).
Oils—Osaka, Japan (FZ-3).
Oilseeds—Osaka, Japan (FZ-3); Tokyo, Japan (FZ-4).
Perfumes—Managua, Nicaragua (FZ-5).
Pharmaceutical specialties—Milan, Italy (FZ-6, agency); Joao Pessoa, Brazil (FZ-10).
Pigment colors—Osaka, Japan (FZ-2).
Plastic materials—Osaka, Japan (FZ-15).
Polyvinyl chloride—Osaka, Japan (FZ-15).
Resin colors—Osaka, Japan (FZ-15).
Senega root—Europe, via Cuba (FZ-1).
Solvents—Osaka, Japan (FZ-15).
Titanium dioxide—Dublin, Eire (FZ-14).
Witchhazel leaves—Europe, via Cuba (FZ-1).

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Candle manufacturers—Venezuela.
Chemical importers and dealers—Newfoundland.
Fertilizer manufacturers and exporters—Brazil.
Petroleum industry — Ecuador, Nicaragua, Norway, Pakistan.

Mexico Awards Rights On Two Sulphur Domes

The Mexican government has awarded concessions on two large sulphur domes in the State of Veracruz, Mexico, to the Mexican Gulf Sulphur Company. The new concessions, which comprise 7,500 acres, are adjacent to two other sulphur domes already being developed by the Mexican Gulf company.

The two new domes were originally drilled by the Shell Oil Company in its search for oil, and the drilling records of that company indicated that some of the domes are sulphur domes. On the basis of the extent of the concessions and the fact that sulphur has been encountered on the properties, a spokesman for the Mexican Gulf company stated that there is reason to believe that when exploration work is completed and the properties are proven up, it may turn out to be one of the largest sulphur deposits capable of being mined by the Frasch process. The deposits are accessible to both rail and water transportation on the Gulf Coast.

Clinton Foods Appoints Light Production V.-P.

Richard S. Light has been appointed vice-president in charge of production of Clinton Foods, Inc., New York. Mr. Light, who joined the company this February is assuming direction of Clinton's entire corn and citrus production facilities throughout the country, it was stated. This includes several citrus juice processing and concentrating plants in Florida, corn-processing operations at Clinton, Iowa, ad quick-freezing facilities for the company's "Snow Crop" brand of frozen foods in various fruit and vegetable growing areas.

Continental Can Elects Eggerss Vice-President

Charles E. Eggerss has been elected vice-president of the newly created fibre drum division of Continental Can Company, New York. Mr. Eggerss, formerly general sales manager of Continental's paper converting division, is a veteran of forty years experience in the paper box and fibre drum field. He came with the company in 1942, when Continental absorbed The Container Company of Van Wert, Ohio, of which Mr. Eggerss was vice-president and sales manager.

Wilson Leaves AEC

Carroll L. Wilson resigned August 8 as general manager of the Atomic Energy Commission. The resignation, effective August 15, stated that he lacked confidence in Gordon E. Dean, the new chairman of the commission.

This company is known by the customers it keeps *in business*

No matter how cordial the relationship between Purchasing Agent and Fatty Acid salesman . . the quality of product determines their lasting business friendship. Fatty Acids must stand up in testing . . . manufacturing . . . and in the finished product. Else, the warmest handshake and the most eloquent sales talk get no order.

For more than 45 years we've retained the business friendship of outstanding processors, small and large. Many factors enter into our customer relationships. Most important is their knowledge that doing business with Woburn means quality Fatty Acids. Acids that stand up in laboratory, factory and finished product.

We're proud of our customers. Many have grown from small beginnings to important companies. Part of our pride is their trust in the Fatty Acids we supply to them. We feel that we have indeed contributed to the success of their endeavors.

Consult Woburn when next ordering Fatty Acids. It can be the start of a beautiful friendship . . . business fashion.

WOBURN CHEMICAL CORP. (N.J.)

FATTY ACIDS, SPLIT AND DISTILLED
CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
HELIOLINE • ISOLINE • LAURIC • LINSEED • MARINE • PALM • SOYA • TALLOW
SYNTHETIC DRYING OILS, ESTERS AND PLASTICIZERS • ESTER GUMS AND ROSINS • PIGMENTS AND COLORS

1200 HARRISON AVENUE, KEARNY, NEW JERSEY • KEARNY 2-3300

LINSEED FATTY ACIDS
All types of Linseed Fatty Acids for alkyds of the baking and air-drying types, putty and caulking compounds, drying oils. Recommended also for liquid and soft soaps.

WOBURN dependable PRODUCTS

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N. H., September 28-30.

American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6

American Oil Chemists Society, Sir Francis Drake hotel, San Francisco, September 26-28.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16

American Pharmaceutical Manufacturers' Association, Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Society for Testing Materials, spring meeting and committee week, Cincinnati, Ohio, March 5-9, 1951; annual meeting, Atlantic City, N. J., June 18-22, 1951; spring meeting and committee week, Cleveland, Ohio, March 3-7, 1952; annual meeting, New York, N. Y., June 23-27, 1952.

American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.

Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5.

Congress of the International Union of Leather Chemists Societies, London, September 10-13 1951.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11

National Agricultural Chemicals Association, Essex and Sussex hotel, Spring Lake, N. J., September 6-8.

National Association of Retail Druggists, Long Beach, Calif., October 15-21

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19

National Chemical Exposition, Coliseum, Chicago, September 5-9.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Safety Congress, Chicago, October 18-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.

Plant Maintenance Show, Auditorium, Cleveland, Ohio, January 15-18, 1951.

Society of Cosmetic Chemists, fall meeting, Biltmore hotel, New York, December 6.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20

Society of Rheology, New Yorker hotel, New York, November 3-4

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 13; annual meeting, Commodore hotel, New York, December 13.

Liquid Metals Handbook Published by AEC, Navy

The Atomic Energy Commission, the Office of Naval Research and the Navy Bureau of Ships have jointly published a 194-page "Liquid Metals Handbook." Information in the handbook, culled from recent research sponsored by the AEC and the two navy agencies, includes data on metals having low melting points. The metals discussed include aluminum, antimony, bismuth, cadmium, cesium, gallium, indium, lead, lithium magnesium, mercury, potassium, rubidium, sodium, thallium, tin, zinc and several alloys.

The publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at $1.25 per copy.

Simpson Joins Aries

Dr. C. E. Simpson has joined R. S. Aries & Associates, New York, as a senior associate. Dr. Simpson, an expert in plant layout and mechanical design work, particularly in the textile and food industries, was recently associated with the Carrier Corporation, Syracuse, N. Y.

Oils, Fats Consumption: June

Factory consumption of primary oils, fats, fatty acids, and related materials in June, 1950, totaled 1,127,065,000 pounds, according to the Bureau of the Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	257,613,000
Paint and varnish	53,857,000
Processing	263,871,000
Refining	354,739,000
Soap	125,190,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
	Crude	Refined
Babassu—		
Refining	[1]	
Soap	[1]	[1]
Other uses	[1]	[1]
Castor—	No. 1	No. 3
Refining		
Fat-splitting		
Sulphonation	199,000	465,000
Soap	28,000	
Paint and varnish	4,5,000	95,000
Linoleum and oilcloth	[1]	[1]
Chemicals	[1]	[1]
Lubricants and greases	7,000	12,000
other uses	5,354,000	359,000
Castor, dyhydrated—		
Soap		
Paint and varnish		2,830,000
Linoleum and oilcloth		[2]
Lubricants and greases		[2]
Other uses		262,000
Coconut—		
Refining	24,950,000	
Deodorizing		5,124,000
Hydrogenation		3,060,000
Fat-splitting	4,139,000	
Sulphonation	26,000	[1]
Shortening		[1]
Other edible products		2,205,000
Chemicals	[1]	[1]
Soap	9,923,000	6,663,000
Paint and varnish	[1]	[1]
Other uses	372,000	152,000
Cod and codliver—		All grades
Sulphonation		[2]
Deodorizing		
Paint and varnish		
Other uses		998,000
Corn—		
Refining	19,471,000	
Sulphonation		[1]
Deodorizing		3,027,000
Winterizing for salad oil		[1]
Shortening		[1]
Oleomargine		[1]
Other edible uses	[1]	5,456,000
Soap		[1]
Paint and varnish	[1]	
Other uses	[1]	105,000
Cottonseed—		
Refining	87,280,000	
Sulphonation		
Hydrogenation		45,963,000
Deodorizing		1,623,000
Winterizing for salad oil		33,5.6,000
Shortening		22,047,000
Oleomargine		5,114,000
Other edible uses		1,210,000
Soap	[1]	
Paint and varnish	[1]	[1]
other uses	[1]	141,000
Fish—	Menhaden	Sardine
Refining	[2]	[2]
Fat-splitting		
Sulphonation	[2]	215,000
Soap		
Paint and varnish	395,000	1,512,000
Linoleum and oilcloth	[3]	326,000
Lubricants and greases	[2]	[2]
Other uses	2,086,000	917,000
Fish, other—	Crude	Reaned
Refining		
Paint and varnish	16,000	144,000
Other uses	[2]	565,000
Fishliver, other than cod—		All grades
Sulphonation		11,000
Lubricants and greases		
Other uses		624,000
Linseed—	Raw	Refined
Refining	17,488,000	
Fat-splitting	[1]	
Soap	[1]	[1]
Paint and varnish	13,215,000	14,040,000
Linoleum and oilcloth	7,151,000	927,000
Lubricants and greases	[1]	[1]
Other uses	5,387,000	2,603,000
Marine mammal—		All grades
Refining		
Sulphonation		167,000
Paint and varnish		[2]
Chemicals		[2]
Lubricants and greases		859,000
Other uses		163,000
Neatsfoot—		All grades
Refining		
Sulphonation		18,000
Soap		[2]
Chemicals		[2]
Lubricants and greases		16,000
Other uses		196,000
Oiticica—		All grades
Paint and varnish		[1]
Linoleum and oilcloth		
Other uses		96,000
Oleo—		All grades
Shortening		[2]
Oleomargarine		221,000
Other edible uses		[2]
Soap		
Lubricants and greases		[2]
Other uses		[2]
Olive—	Edible	Inedible
Edible uses	[1]	
Soap		[1]
Other uses	[1]	[1]
Palm—	Crude	Refined
Soap	[1]	[1]
Lubricants and greases	[1]	[1]
Other uses	3,238,000	[1]
Palmkernel—	Crude	Refined
Soap		
Peanut—	Crude	Refined
Refining	9,974,000	
Sulphonation		120,000
Hydrogenation		1,625,000
Deodorizing		4,977,000
Winterizing for salad oil		[1]
Shortening		[1]
Oleomargine		[1]
Other edible uses	[1]	845,000
Soap	[1]	
Other uses	[1]	250,000
Perilla—		All grades
Paint and varnish		
Rapeseed—		
Lubricants and greases		130,000
Sesame, refined—		
All uses		9,000
Soybean—	Crude	Refined
Refining	138,458,000	
Fat-splitting	[1]	
Sulphonation	[1]	48,000
Hydrogenation	[1]	37,214,000
Deodorizing		5,589,000
Winterizing for salad oil	[1]	
Shortening	[1]	47,577,000
Oleomargarine		1,854,000
Other edible uses		6,444,000
Soap	79,000	[1]
Paint and varnish	479,000	6,948,000
Chemicals	[1]	[1]
Lubricants and greases	41,000	14,000
Linoleum and oilcloth	[1]	1,942,000
Other uses	3,135,000	5,408,000
Tallow—		All grades
Soap		
Lubricants and greases		550,000
Other uses		[2]
Tung—		
Paint and varnish		6,907,000
Chemicals		[1]
Lubricants and greases		
Linoleum and oilcloth		404,000
Other uses		894,000
Vegetable, not specified—		
Refining		5,121,000
Fat-splitting		666,000
Hydrogenation		1,565,000
Sulphonation		142,000
Winterizing for salad oil		12,441,000
Saortening		433,000
Oleomargarine		66,000
Other edible uses		1,2.6,000
Soap		2,989,000
Paint and varnish		615,000
Linoleum and oilcloth		69,000
Chemicals		3,308,000
Lubricants and greases		140,000
Other uses		11,048,000

Fats and Greases

	Pounds
Grease and lard oil—	
Sulphonation	[2]
Soap	
Lubricants and greases	1,741,000
Other uses	769,000
Grease, not specified—	
Refining	
Fat-splitting	6,503,000
Winterizing and pressing	
Sulphonation	
Hyarogenation	[2]
Pressing	5,332,000
Soap	25,607,000
Lubricants and greases	1,549,000
Other uses	152,000
Lard—	Rendered / Refined
Shortening	7,549,000 / [2]
Oleomargarine	197,000 / [2]
Hydrogenation	935,000 / [2]
Other edible uses	300,000 / 228,000
Soap	[2]
Lubricants and greases	155,000 / [2]
Other uses	[2] / 62,000
Stearin, animal—	Edible / Inedible
Shortening	914,000
Oleomargarine	308,000
Other edible uses	234,000
Soap	70,000
Other uses	[2] / 220,000
Stearin, vegetable—	
Shortening	5,968,000
Oleomargarine	1,046,000
Hydrogenation	2,269,000
Other edible uses	32,000
Other uses	[2]
Tallow, edible—	Crude / Refined
Refining	[2]
Hydrogenation	[2] / [2]
Pressing	2,696,000
Shortening	627,000 / 643,000
Other edible	141,000
Soap	[2] / [2]
Lubricants and greases	[2] / [2]
Other uses	27,000 / [2]
Tallow, inedible	
Refining	20,303,000
Fat-splitting	12,752,000
Hydrogenation	1,308,000 / [2]
Sulphonation	6[illegible]6,000 / [2]
Soap	[2]
Lubricants and greases	1,542,000 / [2]
Other uses	5,185,000 / 122,000

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	6,504,000
Soap	537,000
Lubricants and greases	602,000
Other uses	5,256,000
Animal oil foots (100 percent basis)—	
Soap	[2]
Other uses	[2]
Fatty acid stocks, not specified—	
Refining	
Fat-splitting	1,045,000
Sulphonation	
Soap	[2]
Paint and varnish	71,000
Linoleum and oilcloth	
Lubricants and greases	[2]
Other uses	[2]
Fish and marine mammal oil fatty acids—	
Sulphonation	56,000
Paint and varnish	[2]
Lubricants and greases	
Other uses	248,000
Fish and marine mammal oil foots (100 percent basis)—	
Other uses	[1]
Olive oil foots (including sulphur oil)—	
Soap	[1]
Red oil—	
Sulphonation	197,000
Soap	1,297,000
Paint and varnish	234,000
Chemicals	591,000
Lubricants and greases	228,000
Other uses	1,519,000
Stearic acid—	
Sulphonation	10,000
Soap	327,000
Paint and varnish	30,000
Lubricants and greases	359,000
Chemicals	637,000
Other uses	3,238,000
Vegetable oil fatty acids—	
Sulphonation	[2]
Hydrogenation	[2]
Soap	2,844,000
Paint and varnish	1,079,000
Lubricants and greases	55,000
Chemicals	387,000
Other uses	6,143,000
Vegetable oil foots (100 percent basis)—	
Fat-splitting	12,079,000
Soap	3,491,000
Paint and varnish	41,000
Other uses	838,000

Unclassified

Materials not shown separately—	
Refining	4,033,000
Fat-splitting	2,328,000
Hydrogenation	5,793,000
Sulphonation	772,000
Pressing	[2]
Shortening	2,723,000
Oleomargarine	971,000
Soap	2,102,000
Paint and varnish	349,000
Linoleum and oilcloth	[2]
Chemicals	2,351,000
Lubricants and greases	881,000
Other uses	10,263,000

[1] Included in "Vegetable oils, not specified," including small quantities for items for which data are not reliable.
[2] Included in "Materials not shown separately," including small quantities for items for which data are not reliable.
[3] Not shown to avoid disclosure of individual operations.

ASA Plans Program For Aug. 28 Meeting

The American Soybean Association has announced a tentative program for its thirtieth annual meeting to be held in Springfield, Ill., August 28 through 30. Headquarters will be at the Leland hotel, where the registration desk will be open in the lobby on August 27.

All business sessions will be held in the Illinois State Armory with the exception of the banquet, which will be in the Elks Club, and the August 30 luncheon for cooperating soybean buyers, which will be served in the Leland. The program is as follows:—

August 28, 9:30 A.M.

John W. Evans, president, American Soybean Association, Montevideo, Minn., presiding.

"Welcome," Ray Yung, director of agriculture, State of Illinois, Springfield.

"Use of Chemicals in Weeding and Harvest Drying of Soybeans," Dr. Ralph E. Carlyle, agronomist, Monsanto Chemical Company, St. Louis.

"Preventing Losses in Soybean Harvesting Methods," speaker to be announced.

"Storage of Soybeans," Leo E. Holman, University of Ill., Urbana, Ill.

"What Determines Soybean Prices?" Dr. G. L. Jordan, professor of agricultural economics, University of Illinois.

"Recent Progress in Soybean Research at the Northern Regional Research Lab.," Dr. Reid T. Milner, director, Northern Research Laboratory, Peoria, Ill.

August 28, 1:30 P.M.

Leroy Pike, director, ASA, Pontiac, Ill., presiding.

"Gelling Properties of a Water Extract of Trichloroethylene-Extracted Soybean Oil Meal," Dr. L. K. Arnold, department of engineering, Iowa State College, Ames, Iowa.

"U. S. Department of Agriculture Soybean Variety Program," Dr. Martin G. Weiss, principal agronomist, division of forage crops and diseases, USDA, Beltsville, Md.

"Field Program of the ASA," Paul C. Hughes, field service director, ASA, Hudson, Iowa.

"What Makes Soybeans Mature?", speaker to be announced.

August 29, 9:30 A.M.

John W. Evans, presiding.

Annual business meeting, ASA.

Ersel Walley, past president, ASA, Ft. Wayne, Ind., presiding.

"Research Affecting the Feeding of Soybean Oil Meal," speaker to be announced.

"Using Soybean Oil in Margarine," J. P. Whiteburst, Miami Margarine Company, Cincinnati.

"American Agricultural Commodities in World Trade,' Fred J. Rossiter, assoc. director, Office of Foreign Agricultural Relations, USDA, Washington, D. C.

August 29, 1:30 P.M.

Howard Roach, past president, ASA, Plainfield, Iowa, presiding.

"The 1950 Governmental Soybean Price Support Program," speaker to be announced.

"Influence of New Developments in Protein Feeding on the Market for Soybean Oil Meal," C. H. Hendrix, president, feed and soy division, Pillsbury Mills, Inc., Clinton, Iowa.

"Use of Soy Flour in Germany," R. G. Brierley, Archer-Daniels-Midland Company, Minneapolis, Minn.

"Domestic Oils in Margarine Production," Robert G. Spears, Jelke Good Luck Products division, Lever Brothers Company, New York.

August 29, 7:00 P.M.

Annual convention banquet, Dr. W. L. Burlison, University of Illinois, Urbana, Ill., toastmaster.

Presentation of honorary life memberships.

"American Farmers and the Future of the Free World," Senator Scott Lucas, Washington, D. C.

August 30, 9:30 A.M.

G. G. McIlhroy, past president, ASA, Irwin, Ohio, presiding.

"Soybeans and the Country Elevator," Lawrence Farlow, secretary, Farmers Grain Dealers Association of Illinois, Bloomington, Ill.

"Promoting Your Product," R. C. Pollock, National Livestock and Meat Board, Chicago, Ill.

"A Challenge—What Will You Do About It?" A. L. Ward, director, educational service, National Cottonseed Products Association, Dallas, Texas.

"Effect of 1949 Grading Standards on Soybean Marketing," H. P. English, grain branch, Production and Marketing Administration, Chicago, Ill.

August 30, 1:30 P.M.

C. G. Simcox, director, ASA, Assumption, Ill., presiding.

"Why a Futures Market on Soybeans and Soybean Oil," speaker to be announced.

"Agriculture and World Peace," speaker to be announced.

"The Soybean Buyer in the 1950 Price Support Program," speaker to be announced.

Menzies Joins Ball Bros. As Vice-Pres. and Manager

Duncan C. Menzies, former director of Johnson & Johnson, New Brunswick, N. J. has been appointed executive vice-president and general manager of Ball Brothers Company, glass container manufacturer, Muncie, Ind. He will take charge of all manufacturing and sales activities of the company and its subsidiaries.

Now Official in the U.S.P.

Vitamin B_{12} (Crystalline*)

**Studies on Oral Administration*

Vitamin B_{12} occurs as dark red crystals or as a crystalline powder." (Third U.S.P. XIII Sheet Supplement)

VITAMIN B_{12} (Crystalline) now is included in U.S.P. XIII. This official recognition is based on the fact that potency and purity of the crystalline material can be accurately established.

CRYSTALLINE VITAMIN B_{12} OFFERS THESE ADVANTAGES:

PERMITS CLAIMS of known, controlled vitamin B_{12} content on your label. (*see* statement of U.S.P. Antianemia Preparations Advisory Board).

PURITY, potency, identity determined **BY SPECIFIC QUANTITATIVE ASSAY METHODS.** The minimum purity of Crystalline Vitamin B_{12} Merck is 95% of vitamin B_{12} on an anhydrous basis.

THE MOST POTENT therapeutic substance known, on a weight-for-weight basis.

STABILITY: Special methods ensure the absence of impurities known to induce decomposition. Stability of Crystalline Vitamin B_{12} Merck, in both crystalline form and in solution, has been maintained for periods of more than one year.

EFFICACY: Including the recent pioneering study of the effect of orally administered B_{12} on human growth and development—virtually all investigations on the clinical value of vitamin B_{12} have been carried out with Crystalline Vitamin B_{12} Merck.

FOR THE MANUFACTURE OF ORAL PRODUCTS: For your convenience, pure Crystalline Vitamin B_{12} Merck also is available in a workable dilution—*0.1%* TRITURATION OF CRYSTALLINE VITAMIN B_{12} WITH SODIUM CHLORIDE. This form is designed to minimize problems of weighing and handling in the making of tablets and filling of hard gelatin capsules.

Studies on the possible usefulness of vitamin B_{12} in human nutrition are still in the early investigational stage. Many pharmaceutical manufacturers have noted with special interest the results of the first of these studies[1] in which Crystalline Vitamin B_{12} Merck was administered to a group of nutritionally deficient children.

These observations were made with
CRYSTALLINE VITAMIN B_{12} MERCK

Wetzel, *et al.*, found "what may be termed B_{12} functional deficiency, that was definitely benefited by oral therapy" with Crystalline Vitamin B_{12}. Over a 60-day period, the authors observed growth responses which were "equivalent to another 100–240 days of regular institutional care without the help of B_{12}." Besides growth improvement, the responding children showed increased physical vigor, alertness, better general behavior and greatly improved appetite. These data point the way to new lines of clinical investigation.

[1] Wetzel, N. C., Fargo, W. C., Smith, I. H., and Helikson, J.: *Growth failure in school children as associated with vitamin B_{12} deficiency—response to oral therapy*, Science **110**: 651–653, December 16, 1949.

Your inquiries are cordially invited.
CALL MERCK FOR VITAMINS

CRYSTALLINE VITAMIN B_{12}
SYNTHETIC VITAMIN A
THIAMINE MONONITRATE
THIAMINE HYDROCHLORIDE
RIBOFLAVIN
NIACIN
NIACINAMIDE
NIACINAMIDE HYDROCHLORIDE
PYRIDOXINE HYDROCHLORIDE
CALCIUM PANTOTHENATE DEXTROROTATORY
ASCORBIC ACID
MENADIONE (VITAMIN K ACTIVE)
VITAMIN K_1
ALPHA TOCOPHEROL
ALPHA TOCOPHERYL ACETATE
CHOLINE

MERCK

Crystalline Vitamin B_{12} Merck

MERCK & CO., INC. *Manufacturing Chemists* RAHWAY, N. J.

Current Market Quotations

Chemicals and Related Materials

August 11, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).

Acenaphthene, below 92.5 C., m.p., dms., works lb 40 - —
above 92.5 C, m.p. dms., works, lb. .50 - —

Acetaldehyde, 99%, dms. c.l., frt. equald lb. .12 - —
l.c.l., frt. equald lb. .12¾ -
tanks, frt. equald lb. .10 - —

Acetaldol (see Aldol)

Acetamide, tech. fib., dms lb. .45 - —

Acetanilide tech. bbls., c.l. dlvd or frt. equald lb. .22 - .24½
l.c.l., ton lots lb. .23 - .25½
smaller lots lb. .26 - .28½
USP, bbls., 2,000-lb. lots lb .50 —
smaller lots lb. .56 - —

Acetic anhydride dms. c.l., frt. alld. E lb. .14 - —
l.c.l., frt. alld. E lb. .15½ -
tanks, frt. alld. E lb. .12½ -

Acetoacetanilide, bbls., dlvd lb. .69½ -
fib. dms., c.l., dlvd lb. .68½ -
l.c.l., dlvd lb. .69½ -

Acetoacetorthoanisidide, fib dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —

Acetoacetorthochloranilide, bbls., dlvd lb. 1.15 - —
fib. dms., c.l., dlvd lb. 1.14 - —
l.c.l., dlvd lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .74½ -
fib. dms., c.l., dlvd lb. .73½ -
l.c.l., dlvd lb. .74½ -

Acetone, CP dms., c.l., dlvd lb. .09¼ -
l.c.l., dlvd lb. .10 -
tanks, dlvd lb. .07½ -

Methyl (see M).

Acetonitrile, dms., c.l., works lb. 43 - —
l.c.l., works lb. 45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 1.33

Acetophenone, cns., dms lb 1.30 - 1.65
tech., l.c.l., dms., works lb. .75 - —

Acetoctoparaphenetidide, dms., 500 lbs. or more, works. lb. 1.65 - —
smaller lots same basis lb. 1.90 - —

Acetyltributyl citrate, dms. lb. .43 - .45
smaller pkgs lb. .48 - .54

Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs. lb. .41 - .47

Acid, abietic, com'l, dms., c.l., works lb. .10 -
l.c.l., works lb. .1145 -
cryst., dms., c.l., works lb. .05½ -
l.c.l., works lb. .06 - .06½

Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.10 - —
70%, bbls 100 lbs. 8.10 - —
80%, bbls 100 lbs. 8.75 - —
glacial, synthetic, CP, dms., works 100 lbs. 13.50 - —
cbys., works 100 lbs. 18.50 -22.50
USP, cbys., works 100 lbs. 14.00 -18.00
tech., dms., c.l., works 100 lbs. 9.50 - —
l.c.l., works 100 lbs. 10.00 - —
tanks, works 100 lbs. 8.00 - —

Acetic annydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb. .57 - —
standard, fine cryst., gran., (30-40 mesh) powd. (80 mesh), bbls. same basis. lb. .52 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich. Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt. dms. lb. .49 - —
smaller lots, dms lb. .49½ - .54½

Adipic, fib. dms., works lb. .26½ - —

Ammoacetic, NF bbls., frt. adjusted lb 1.50 1.75

Anthranilic resub., bbls lb 2.10 - —
tech., bbls lb. 1.21 - —

Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).

Ascorbic USP dms. 500-kilo lots. kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27 47 - —

Battery, cbys. c.l., E. works. 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —

Benzoic, tech. bbls. dms., 100 lbs. or more lb. 43 - —
USP, bbls. dms. 100 lbs up lb 54 - —

Betahydroxynaphthoic bbls., works lb. 1.25 - 1.39

Boric, tech. 99½%, cryst., bgs., c.l., works ton. 115.25 - —
ton lots ex whse, N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 180.00 - —
less ton lots, same basis. ton. 185.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 135.00 - —
less ton lots, same basis. ton. 140.00 - —
bbls, c.l., works ton. 110.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 155.00 - —
less ton lots, same basis. ton. 160.00 - —

Boric, tech., 99½%, bulk, c.l., works ton. 56.75 - —
powd., bgs., c.l. works ton. 95 25 - —
ton lots ex whse., N. Y. or Chi ton. 140.00 - —
less ton lots same basis ton. 145.00 - —
bbls., c.l. works ton. 115.25 - —
ton lots ex whse., N. Y. or Chi ton. 160.00 - —
less ton lots same basis ton. 165.00 - —
bulk c.l., works ton. 91 75 - —
USP $25 per ton higher.

Broenner's, bbls lb. 1.34 - —

Butyric, 99%, dms. c.l. works lb. .36½ - —
l.c.l., works lb. .37 - —
tankcars, works lb. .35 - —

Cacodylic, bots. lb. 10.00 -11.00

Camphoric, natural, dms. lb 5.00 - 5.65
synth., dms lb 4.00 4.75

Capric, 70%, dms lb. .27¾ - .28¼

Caprylic, 65%, dms lb. .49¼ - .50

Castor oil, split, dms lb. .28¼ - .28¾

Chicago, bbls., works lb. 2.92 - —

Chlorosulphonic dms. c.l., works. lb. .03¼ - —
l.c.l., works lb. 03¾ - —
tanks, works lb. .02¾ - —

Chromic, 99½-99¾% dms., c.l. works lb. .25½ - —
l.c.l., works lb .26 - .27

USP (see Chromium trioxide).

Cinnamic refd. bots lb 2.50 - 4.00

Citric, anhyd. gran., fine gran., dms., c.l. lb. .26½ - —
10,000 lbs. 1 ship't lb .27 - —
smaller lots lb. .27½ - —
kgs lb. .28½ - —
gran., fine gran., dms., c.l. lb .24½ - —
10,000 lbs. 1 ship't lb. 25 - —
smaller lots lb. .25½ - —
kgs lb .26½ - —
USP citric acid powder ½c. per lb higher.

Cleve's, mixed, bls lb. 72 - —

Coconut oil, dist., dms lb. .25½ - .26
double dist., dms lb. .27½ - .28

Cottonseed oil, dist., dms lb. .14 - .15¼
double dist., dms lb. .14½ - .15¾

Cresylic, dom., coaltar, 50% above 207° C. non-ret. dms., c.l., frt. equald gal. .91 - 1.06
l.c.l., non ret dms., same basis lb. .94 - 1.09
ret. dms., c.l. same basis gal. .93 - —
l.c.l., same basis gal. .96 - —

Acid, cresylic, dom., coaltar, 50% above 207° C. tanks, same basis gal. .80 - .93
204° to 207° C. non-ret. dms., c.l., same basis gal. 1.01 - 1.06
l.c.l., same basis gal. .94 - 1.09
ret. dms. c.l. same basis, gal. .98 - —
l.c.l., same basis gal. 1.01 - —
tanks, same basis gal. .90 - 1.01

petroleum, 179° C to 198° C, non-ret dms., c.l., San Francisco and Los Angeles gal. .67½ - —
l.c.l., same basis gal. .69½ - .71½
tanks, same basis gal. .57 - —

193° to 213° C. non-ret. dms., c.l., San Francisco and Los Angeles gal. .55½ - —
l.c.l., same basis gal. .57½ - .59½
tanks, same basis gal. .45 - —

200° C to 222° C, tanks, Wilmington, Cal gal. .40½ - —

211° C to 236° C. non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½ - —
l.c.l., same basis gal. .55½ - .57½
tanks, same basis gal. .43 - —

220° C to 242° C, tanks, Wilmington, Cal gal. .38½ - .41½

237° C to 265° C. non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½ - —
l.c.l., same basis gal. .53½ - .55½
tanks, same basis gal. .41 - —

245° C to 298° C. tanks, Wilmington, Cal gal. .36½ - —

295° C to 325° C, tanks, Wilmington, Cal gal. .26½ - —

imported, coaltar, 75% at 215° C or over, dms., c.i.f. gal. .52½ - .57½

Crotonic, fib dms. works lb .29 —

Cyanoacetic, tech. bbls lb .90 1.25

Desoxycholic lb. 17.00 -22 00

Dichlorophenoxyacetic, (see "D" 2, 4-D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs., works lb. .14 - —

Ethylhexoic, dms. c.l., works lb. .32 - —
l.c.l., works lb. .32½ - —
tanks, works lb. .30½ - —

F, crude, paste, bbls., works lb. 1.52 - —

Folic bots. fib cans, kilo or more gram 2.00 —

Formic, 85% cbys. c.l. works lb. 13 - .13½
l.c.l., works lb. .13½ - .14
90%, cbys., c.l., works lb. .13½ - .14
l.c.l., works lb. .14 - .14½

Fumaric, tech., bbls., dms lb. .30 .31

Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000-lb. lots lb 1.43 —
smaller lots lb. 1.46 1.48

Gamma, bbls lb. 1.32 - —

Acid, gluconic, tech., 50%, bots lb. .23 .31
dms lb. 14 - —
kgs. lb. .16 - —

Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb 2.30 2.40
25 lb. lots lb. 2.45 —

Glycerophosphoric, 35%, dms., works lb. 2.15 2.25

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .73½ -

Hydriodic, 45-47%, cbys lb 2.57 - 2.59
57%, cbys lb. 2.86 - —

Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .38 —
tech., 48%, cbys., dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .35 .37

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb bots lb. .37 - —

Hydrofluoric, anhyd., cyls., works. lb. .19 - .19¼
tanks, works lb. .16½ - —
30%, wood or rubber, dms., works lb. .08½ - .09
70%, steel dms., works lb. .143 - .146

Hydrofluosilicic, 30-35%, bbls lb. .08 .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle W Va., 100% basis lb. .065 - —

Hypophosphorus, purif., 50%, cbys. lb. 1.30 - 1.32
USP, cbys lb. 76 - —

J, bbls., works, 100% basis lb. 2.50 - 2.85

L, bbls., works lb. 1.25 - —

Lactic edible, 50%, bbls., 20 or more lb. .18½ -
smaller lots lb. .19 -
80%, bbls. 20 bbls. or more, lb. .265 .333
plastic grade, 50% bbls., 20 or more lb. .19¾ -
10 or less lb. .20¾ -
80%, bbls., 5 or less lb. .3495 .3545

tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85%, cbys lb. .69 .72

Laurent's, bbls lb. .60 - .87

Lauric, dist., 85-90%, dms lb. .30 - .30¾

Linseed oil, reg. dist., dms lb. .2170 - .2220
water-white, dms lb. .2470 - .2520

Maleic, powd., dms lb. .30 - .31
Anhydride (see M).

Malic, dms lb. .45 - —

Mandelic, NF dms., 1,000 lb. lots lb. 1.85 —
smaller lots lb. 1.90 2.10

Methacrylic, dms., c.l., and truckloads, works lb. .76 —
less than truckload, works lb. .76½ - .80

Molybdic, dms., 85-92% works lb. .88 —

Monochloroacetic, purified, flake, 99%, dms lb. .22½ - .24½
tech., flake, 96-97%, bbls lb. .18 - .21

Muriatic, 18°, cbys., c.l., works, 100 lbs. 1.90 - 2.15
l.c.l., works 100 lbs. 2.20 - 2.25
tanks, works ton. 20.00 - —
20°, cbys., c.l. works 100 lbs. 2.15 - 2.65
l.c.l., works 100 lbs. 2.45 - 3.75
tanks, works ton. 22.00 - —
22°, cbys., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton. 27.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾ -
l.c.l., same basis lb. .09¼ - 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ -
l.c.l., same basis lb. .14¼ - .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dist., dms lb. .30½ - —

Naphthenic, 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol (1)-5-sulphonic (see Acid L)

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(2)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-3-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias)

Neville and Winther's, dms lb. .97 - —

Nicotinic, USP, dms., frt adjusted kilo. 8.00 - 8.50

Nicotinic amide (see Nicotinamide).

Nitric 36° cbys. c.l. E. works 100 lbs. 5.00 —
t.c.l., E. works 100 lbs. 5.40 6.10
38° cbys c.l., E works 100 lbs 5.50 —
t.c.l., E. works 100 lbs. 5.90 6.60
40° cbys. c.l., E. works 100 lbs 6.00 6.50
t.c.l., E works 100 lbs. 6.40 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 7.00
t.c.l., E works 100 lbs. 6.90 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½ -
l.c.l., same basis lb. .13 .13¼
5 pint bottles extra, cs., c.l., frt equald lb. .15½ —
t.c.l. same basis lb .17 18

Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
Be.	Baume	ferment.	fermentation	pkgs.	packages
bgs.	bags	ffa.	free fatty acid	powd.	powdered
bbls.	barrels	ffc.	free from chlorine	precip.	precipitated
bls.	bales			prod.	producer
bots.	bottles	fib.	fiber	pt.	point
b.p.	boiling point	f.o.b.	free on board	pulv.	pulverized
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	purif.	purified
		frt.	freight	redist.	redistilled
b.r.	boiling range	fus.	fused	refd.	refined
bxs.	boxes			refy.	refinery
C	centigrade	gal.	gallon	reg.	regular
cbys.	carboys	gran.	granular	resub.	resublimed
CD	completely denatured	grd.	ground	ret.	returnable
		i.&a.	iron and aluminum	SD	specially denatured
c.i.f.	cost, insurance, freight			s.d	single distilled
		i.b.p.	initial boiling point	S. E.	southeast
cks.	casks			secs.	seconds
c.l.	car lots	imp.	imported	s.g	specific gravity
cns.	cans	incl.	included	ship't	shipment
col	color	indust.	industrial	solut.	solution
com'l	commercial	kgs.	kegs	s.u.	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP	U S Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs.	cases	m.a.p.	mixed aniline point	vis.	viscosity
ctns.	cartons			VM&P	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

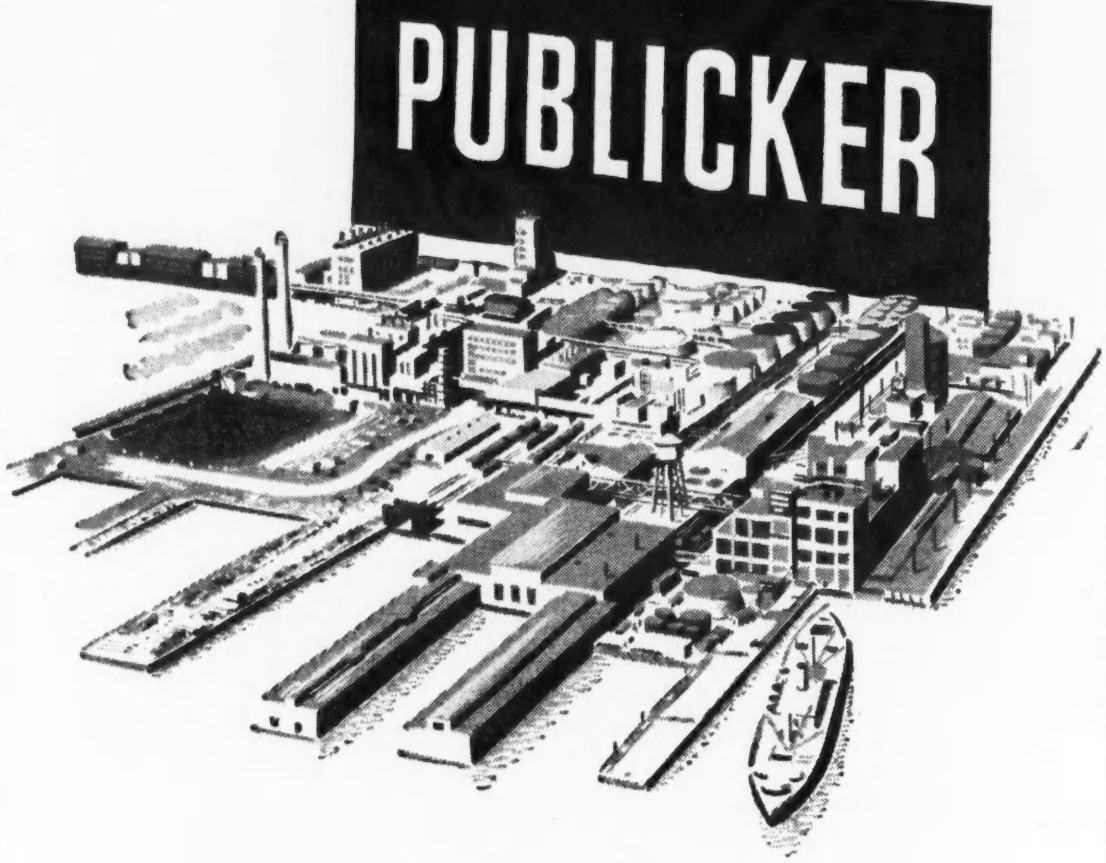
Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms. ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15½
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb. 3.85 - 4.00
technical, dms lb. 1.74 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 5.50 - —
smaller lots lb. 5.55 - 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Peanut oil, s.d., dms lb. .12¾- .13¼
Perchloric 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylethylcellic (see Acid mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l lb. .10½- —
For shipments in cbys., add handling charges.
Picramic ogs lb. .65 - .70
Picric, NF, 300 lb. bbls lb. .30 - —
smaller lots, dms lb. .31 - .33
tech., bbls. lb. .27 - .33

Acid, propionic, natural, dms., works, lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.30 - 3.45
Pyroligneous, dms. incl., l.c.l., works, South gal. .31 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l lb. .33 - —
l.c.l. lb. .40 - —
dyestuffs grade, bbls lb. .34 - —
USP, cryst., bbls lb. .42 - —
powder, bbls. lb. .47 - —
Sebacic, purified, dms., c.l., works, lb. .47 - —
l.c.l., works lb. .49 - .53
Soybean oil, single, dist., dms lb. .15¾- .17
double dist., dms lb. .16¾- .18
Stearic, double pressed, bgs lb. .16½- .17¾
single-pressed, bgs lb. .15½- .16¾
triple-pressed, bgs lb. .18¾- .20
Succinic, purified, cryst., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.s., works lb. .17 - —
l.c.l., works lb. .19 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 - —
l.c.l., works 100 lbs. 1.95 - 2.50
tanks, works ton. 14.40 -14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 - —
l.c.l., works 100 lbs. 2.30 - 2.75
tanks, works ton. 17.75 -18.00
98%, tanks, works ton. 18.80 -19.00

Acid, sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, works ton. 19.85 -20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .13 - .14¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76% dms lb. .86 - .90
fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.46 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.36 - 1.50
Tartartic, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .29½- —
smaller lots lb. .30 - —
100-lb. dms lb. .31 - —
small dms lb. .33 - .35
imported, kgs lb. .27 - .29
Thioglycolic, refined, bbls., cbys., basis 100% lb 1.60 - 1.80
tech., bbls., cbys. basis 100% lb 1.40 - —
Tobias, bbls lb. .69 - —
Trichloroacetic, bots lb. 2.00 - 2.50
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Undecylenic, dms lb. 1.00 - 1.25
Aconite leaves, bls lb. .55 - .60
Root, bls lb. .48 - .52
Aconitine, amorph., mild, bots oz. 27.50 -32.50
cryst., potent, bots oz. 78.00 -85.00

Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.28 - 1.30
powdered, 30 mesh, fib. dms lb. 1.65 - —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (eggs), edible, flake, bbls. lb. 1.35 - 1.37
powd., bbls lb. 1.39 - 1.41
tech., cryst., bbls lb. .75 - .80
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .70
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex pentane dms. c.l., frt. alld. E. Miss lb. .16¾- —
l.c.l., frt. alld E. of Miss lb. .17¾- —
tanks, frt. alld. E. of Miss lb. .15 —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 —
128-132°C. dms., l.c.l., dlvd lb. .36 —
ACS grade, dms. t.c.l. dlvd lb. .42 —
Benzyl, NF, dms lb. .58½- .89
tech. dms. works, frt equald. lb. 45 50
Butyl, fermentation, normal dms., c.l., frt. alld lb. .14¾- .28¾
l.c.l., frt. alld lb. .15¾- .29¾
tanks, frt. alld lb. .13 - .27
synthetic, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l., frt. alld lb. .15¾- —
tanks, frt. alld lb. .13 - —
secondary, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., dlvd., frt. alld lb. .11½- .12½
tanks, dlvd., frt. alld lb. .09 - .10
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 3.20
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .60 - .87
l.c.l., dlvd. E. of Miss. R. gal. .64 - .96
tanks, dlvd. E. of Miss. R. gal. .48 - .75
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .60 - .87½
l.c.l., same basis gal. .64 - .96½
tanks, same basis gal. .48 - .75½
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .58½- .87
l.c.l., same basis gal. .62½- .96
tanks, same basis gal. .46½- .75
SD2B, dms., c.l., E. of Miss. R. gal. .58 - .88
l.c.l., same basis gal. .62 - .97
tanks, same basis gal. .46 - .76
SD3A, dms., c.l., E. of Miss. R. gal. .57 - .86
l.c.l., same basis gal. .61 - .95
tanks, same basis gal. .45 - .74
SD23A, dms., c.l., E. of Miss. R. gal. .59 - .87
l.c.l., same basis gal. .63 - .96
tanks, same basis gal. .47 - .75
SD23H, dms., c.l., E. of Miss. R. gal. .60 - .87½
l.c.l., same basis gal. .64 - .96½
tanks, same basis gal. .48 - .75½
SD27A, dms., c.l., E. of Miss. R. gal. .94 - —
l.c.l., same basis gal. .98 - 1.03
tanks, same basis gal. .82 - —
SD30, dms., c.l., E. of Miss. R. gal. .56½- .84
l.c.l., same basis gal. .60½- .93
tanks, same basis gal. .44½- .72
SD35A, dms., c.l., E. of Miss. R. gal. .61½- .91½
l.c.l., same basis gal. .65½- 1.00½
tanks, same basis gal. .47½- .79½
SD40, dms., c.l., E. of Miss. R. gal. .58 - .88½
l.c.l., same basis gal. .62 - .97½
tanks, same basis gal. .46 - .76½
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd. lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd. lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.67 -17.97
l.c.l., same basis gal. 17.71 -18.06
tanks, same basis gal. 17.55 -17.85
tax free, dms., c.l., dlvd. E. Miss. R. gal. .57 - .87
l.c.l., same basis gal. .61 - .96
tanks, same basis lb. .45 - .75
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.57 -18.87
l.c.l., same basis gal. 18.61 -18.96
tanks, same basis gal. 18.45 -18.75
Ethylbutyl, dms. c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¾- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .14¾- —
l.c.l., works lb. .15¾- —
tanks, dlvd lb. .13 - —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .44 - —
l.c.l., dlvd gal. .49 - —
tanks, dlvd gal. .32 - —
95%, dms. incl., c.l., dlvd gal. .45½- —
l.c.l., dlvd gal. .50½- —
tanks, dlvd gal. .33½- —
99%, dms., incl., c.l., dlvd gal. .47 - —
l.c.l., dlvd gal. .52 - —
tanks, dlvd gal. .35 - —
Methyl (see Metnanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 - 1.60



It's a Great Name in Chemicals

Publicker is big! It is the world's largest producer of Ethyl and Butyl Alcohols. Of equal importance, however, is Publicker's never-ending maintenance of *Quality* and *Service*. More and more critical buyers have turned to Publicker as a *dependable* source of supply for products of known purity and absolute uniformity.

Publicker Products Include

ETHYL ALCOHOL (All Grades)

ACETONE	BUTYL ACETATE	PACO SOLVENT
BUTYL ALCOHOL	ETHYL ACETATE	THERMO ANTI-FREEZE

PUBLICKER INDUSTRIES INC.

One of the World's Largest Producers of Alcohols and Solvents

1429 WALNUT STREET, PHILADELPHIA 2, PA. • LOcust 4-1400

Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls lb. .63 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms. c.l., dlvd. lb. .10¾- —
l.c.l., dlvd lb. .11¾- —
tanks, dlvd lb. .09 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .47 - —
dms., Niagara Falls, N. Y. lb. .40½- —
l.c.l., Waverly, N. Y. lb. .42½- —
tanks, Niagara Falls, N. Y lb. .36 - —
Industrial grade, dms., c.l., Niagara Falls, N. Y. lb. .29 - —
l.c.l., Waverly, N. Y. lb. .30½- —
tanks, Niagara Falls, N. Y. lb. .26½- —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms gal. 1.33 - 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. 1.06 - —
l.c.l., works, frt. alld lb. 1.20 - —
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. .35 - .40
Allethrin, 100%, dms., 1 to 10 dm. lots lb. 45.00 - —
smaller lots, works lb. 50.00 -55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 - —
10%, dms., works gal. 37.75 - —
2%, dms., works gal. 7.75 - —
Allspice, Jamaica (see Pimento).
Mexican bgs., afloat lb. .21½- .22
Allyl bromide, cryc. 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16¾- —
l.c.l., dlvd lb. .17½- —
tanks, dlvd lb. .15 - —
Starch, solid, dms., works lb. .58 - —
solution, 40%, dms., works lb. .279 - .297
50%, dms., works lb. .446 - —
Aloe, Cape, cs lb. .22 - .23
Curacao, kgs lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.50 - —
Alphanaphthol, bbls lb. .77 - —
Alphanaphthylamine, bbls lb. .45 - —
Alphanaphthylthiourea 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls. lb. .37 - —
Alphapicoline ret dms, c.l. works, frt. equald lb. .29½- —
l.c.l., works, frt equald lb. .30 - —
Alphapinene, tanks, South works gal. No prices.
Alphaterpineol, dms, l.c.l., dlvd E. lb .17 - —
Alphatocopherol, bots kilo. 350.00 - —
Acetate, bots kilo. 350.00 - —
Althea root, NF, peeled, bls lb .30 - .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls lb. .20 - .21
hydrous, bbls. lb. .07¾- .08
Potassium, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls. works 100 lbs. 4.45 - —
USP, burnt, bbls lb. .20 - .21
hydrous, bbls lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs. c.l., works lb. .03½- .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd. com'l, dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
cryst., com'l, dms., c.l. works lb. .0650- —
l.c.l., works lb. .0690- —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech, anhyd, bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy bgs., c.l., frt. equald ton. 50.00 -54.60
l.c.l., works ton. 72.00 -86.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% Al_2O_3, fib dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib dms., works lb. .79½- —
contract, works lb. .76½- —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½- —
Linoleate, solid, dms., frt alld lb. .39½
Metal, 99%+, ingots, 10,000 lbs. lb. .17½- .18½
pigs, 10,000 lbs. lb. .16½- .17½
Naphthenate, liquid, 1.7%, frt. alld lb. .24½- .25
Oleate, dms precip lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt alld lb. .12½- —
smaller lots frt alld lb. .13 - .15
250-400 mesh dms, frt. alld lb. .32 - .33
kgs., frt alld lb. .31 - —
500 mesh, dms frt alld lb. .35 - .37
kgs. frt alld lb. .34 - —
600 mesh, dms frt. alld. lb. .51 - .53
kgs. frt alld lb. .50 - —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs. dlvd lb. .36 - .86
unclassified dms frt alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
Paste, lining, extra fine dms lb. .58 - —
standard, dms lb. .39¼- —
Powder, lining, extra fine dms lb. .91 - —
standard, dms lb. .64½- —
rubber comp, dms lb. .43½- —
unpolished, standard, dms lb. .44½- —
varnish, standard, dms lb. .49 - —

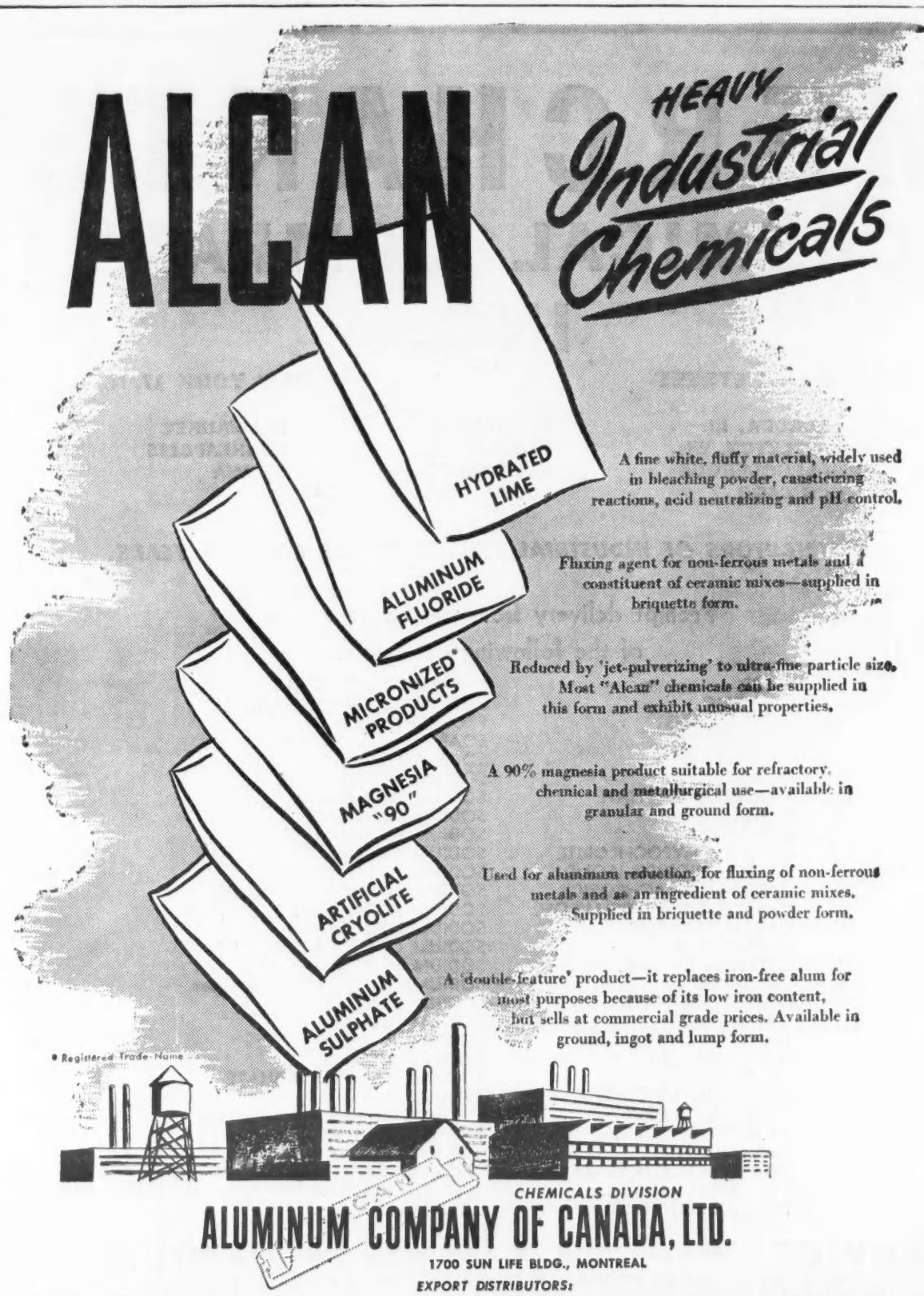
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb. for 100-lb. dm., 1½c per lb. for 50-lb. dm., 3c per lb. for 10-lb. can, and 5c to 12c per lb. for smaller containers. Deduct 1c per lb. for single shipment of 400 to 1,499 lbs., 2c for 1,500 to 4,999 lbs., 3c for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms, frt. alld. lb. .24 - —

Aluminum stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.65 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots oz. 8.00 -10.00
Aminoazotoluene bbls lb. 1.03 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Aminophylline, USP 100-lb. dms lb. 5.35 - —
Aminopyrine, USP bots., dms lb. 6.00 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton. 74.00 -75.00
pure, cyls., extra, zone 1 lb. .17 - .17½
2 lb. .19 - .19½
3 lb. .21 - .21½
4 lb. .16 - .19½
refrigeration, tanks, works ton. 76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton. 80.00 -81.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 7.00 - —
l.c.l., same basis 100 lbs. 7.40 - —
white, gran., ogs. c.l., works 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 6.25 - —

Ammoniacal liquor, tankcars, works, anhyd basis ton. 75.00 -80.00
Ammonium acetate, purified, dms lb. .39 .40
reagent, jars lb. .61 .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton. 302.00 - —
ton lots, works ton. 355.50 - —
less ton lots, works ton. 360.50 - —
Bicarbonate, dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Bichromate, bbls., works lb. .31 - .36
Bifluoride, dms, dlvd lb. .18 .18½
Bromide, gran., NF, bbls lb. .38 - .39
dms. lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .20 - .21
Chloride, tech (see Ammoniac, sal).
USP, gran., bbls., dms lb. .18 .19
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb. 2.40 —
Iodide, NF, jars lb. 3.81 - 3.91
Linoleate, piasuc, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld lb. .21½- —
tech., bbls., works lb. .37 —
dms., works lb. .39 —
Molybdate, chemical grade, bbls., kgs. lb. .85 - —
metal grade, kgs lb. .90 - —
tech. grade, bbls., kgs lb. .80 - —

Ammonia nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton. 37.50 - —
dom., ogs., western works ton. 58.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton. 46.00 - —
Oleate, dms., precip lb .23¼- —
Oxalate, fine gran., dms lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton. 212.00 - —
ton lots, works ton. 265.50 - —
less ton lots works ton. 279.50 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works lb. .50 .75
Persulphate, kgs lb. .25½- .25¼
Phosphate, com'l, bgs., c.l., works, lb. .08 - —
l.c.l., works lb .08½- —
dibasic, NF V, bbls., dms lb. 40 —
tech., bgs., c.l., works lb. 08 —
l.c.l., works lb 08½ - —
Salicylate, NF, dms., kgs lb. 1.25 - 1.35
Silicofluoride, dms., works lb. .12 .13
Sulphamate, bbls., dms., works lb. 18 .20
Sulphate, coke-oven, bulk, producing ovens ton. 32.00 -37.00
converters' bulk, works ton. 37.50 -38.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works, lb. .10¼- —
l.c.l., works lb. .15½- —
tanks, dlvd or frt. alld lb. .09 —
Sulphocyanide, tech (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 —
l.c.l., works lb. .16 .19


ALCAN
HEAVY
Industrial
Chemicals
HYDRATED LIME
ALUMINUM FLUORIDE
MICRONIZED* PRODUCTS
MAGNESIA "90"
ARTIFICIAL CRYOLITE
ALUMINUM SULPHATE
A fine white, fluffy material, widely used in bleaching powder, causticizing reactions, acid neutralizing and pH control.
Fluxing agent for non-ferrous metals and a constituent of ceramic mixes—supplied in briquette form.
Reduced by 'jet-pulverizing' to ultra-fine particle size. Most "Alcan" chemicals can be supplied in this form and exhibit unusual properties.
A 90% magnesia product suitable for refractory, chemical and metallurgical use—available in granular and ground form.
Used for aluminum reduction, for fluxing of non-ferrous metals and as an ingredient of ceramic mixes. Supplied in briquette and powder form.
A 'double-feature' product—it replaces iron-free alum for most purposes because of its low iron content, but sells at commercial grade prices. Available in ground, ingot and lump form.
* Registered Trade Name

CHEMICALS DIVISION
ALUMINUM COMPANY OF CANADA, LTD.
1700 SUN LIFE BLDG., MONTREAL
EXPORT DISTRIBUTORS:
L'ALUMINIUM COMMERCIAL, S.A. — ZURICH
ALUMINUM UNION LTD. — LONDON STOCKHOLM MADRID MONTREAL SHANGHAI SYDNEY CALCUTTA
ALUMINUM IMPORT CORP. — NEW YORK BUENOS AIRES SAO PAULO

Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys. lb. 1.40 - 1.60
highly purified, same basis lb. 1.70 - 1.90
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb 6.50 - —
monobasic, dms lb 6.00 - —
Sulphate, dextro, dms lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19¾- —
l.c.l., dlvd lb. .20¾- —
tanks, dlvd lb. .18 - —
ex pentane, dms., c.l., frt. alld, E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - 81
Anethol, NF, cns., dms lb. .95 - 1.25
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .45 - .50
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld lb. .17 - .17½
l.c.l., works, frt. alld lb. .18 - .18½
tanks, works, frt. alld lb. .16 - —
Salt, dms., works lb. .28 - —

Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .25 - .25½
Cyprus, ogs lb. .20 - .20½
Czech, bgs lb. .14 - .14¼
Mexican, bgs., afloat lb. .16½- .17
Syrian, bgs lb. .15 Nom.
Turkish, bgs lb. .14 - .14½
Anisic aldehyde, bots., dmr lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5%, bbls lb. .80 - .83
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .24½- —
cases, c.l., mines lb. .25 - —
Oxide, bgs., c.l., frt. alld lb. .21¾- —
l.c.l., frt. alld lb. .22¾- —
Trichloride, pails, works lb. .29 - .31
solution, cbys. lb .29 .30
Salt, 65%, bgs., c.l., dlvd E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .20 .23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb. 2.35 - 2.45
Apomorphine, USP, bots. oz.23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo. kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .50
root, bls lb. 1.45 - —
Arrowroot, powd., bgs lb. .14 - .16

Arsenic, metal, lump, bbls., prompt shipt. lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd. lb. .05½- —
l.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons), mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.00 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.88.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton.78.50 -79.00
6D, c.l. (30 tons), mines ton.58.00 -59.00
7D, c.l. 30 tons), mines ton 52.00 -52.50
7F, c.l. (30 tons), mines ton.49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
7TF, c.l. (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10

Asphaltum, gilsonite, brilliant black, selects, 270°-295° F, fusing point, bgs., f.o.b. Colo. mines ton.34.00 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton.31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form. bgs., works lb. .05¾- .13
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton.21.00 - —
Atropine, USP, bots oz.10.50 -11.50
Sulphate, USP, bots oz. 6.25 - 7.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .41
tree bark, bgs lb. .35 - .36
Barbital, USP, dms lb 4.50 - —
Sodium, USP, dms lb. 4.77 - —
Barium carbonate precip., bgs., 10 tons and up, works ton.80.00 -85.00
smaller lots, works ton.90.00 -95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals, bgs., c.l., works. ton.100.00 - —
l.c.l., works ton.110.00 - —
Chromate, bgs. frt. equald lb .31½- .32
Dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs lb. .09 - .09½
Hydroxide, anhyd., bbls.,works lb. .19 - —
Iodide, bots. lb 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l. works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l lb. .34 - —
smaller lots lb .35 .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. lb. .13 - .13½
Sulphide, dms., c.l., works ton 55.00 - —
l.c.l., works ton 70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l., works lb. .21 - —
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.35.05 - —
l.c.l., same basis ton.36.85 - —
ex whse., N. Y. ton 49.65 - —
Southern off-color, bgs., mines ton 19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves)
Belladonna leaf, bls lb. .43 - .46
Root, bls. lb. .40 - .41
Bauxite bulk, mines ton 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.12.00 - —
Benzaldehyde NF, dms lb. .68 - —
tech., cbys., dms lb. .45 - —
Benzal chloride, cbys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .01¾ —
l.c.l., works, unit lb. .02 - .02½
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
l.c.l., dlvd., gamma unit lb. .02½- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02½- —
l.c.l., dlvd., gamma unit lb. .03 - —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md. gal. .27 - —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Lone Star, Tex.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; Pittsburgh Dist.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio gal. .25 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald, lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19¼
l.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 - .21¼
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .77 - —
tech., bbls., c.l., works lb. .30½- —
l.c.l., works lb. .32½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls. lb. .45 - .50
Biotin, cryst. gram.10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 3.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms lb. 4.92 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —

MERCHANTS CHEMICAL COMPANY INC.

60 EAST 42nd STREET NEW YORK 17, N. Y.

AURORA, Ill. CINCINNATI MILWAUKEE
APPLETON, Wis. DENVER MINNEAPOLIS
ALBUQUERQUE DES MOINES OMAHA
CHICAGO LOUISVILLE

DISTRIBUTORS OF INDUSTRIAL CHEMICALS FOR OVER 25 YEARS

Prompt delivery from warehouse stocks of the following chemicals:

ACIDS
BORIC
CHROMIC
MURIATIC
SULPHURIC
ALUMS
ALUMINUM SULPHATE
BORAX
BORIC ACID
CALCIUM HYPOCHLORITE
CARBON DIOXIDE (SOLID)
CARBON TETRACHLORIDE
CARBOXYMETHYLCELLULOSE
CAUSTIC POTASH
CAUSTIC SODA
CHLORIDE OF LIME
CHLORINE
COPPER SULPHATE
EPSOM SALTS
ETHYLENE DICHLORIDE
FORMALDEHYDE
GLYCERINE
HYDROGEN PEROXIDE
IRON CHROMITE
MURIATE OF POTASH
NAPHTHALENE
ORTHODICHLOROBENZENE
PARADICHLOROBENZENE
PERCHLORETHYLENE
POTASSIUM BICHROMATE
POTASSIUM PERMANGANATE
PROPYLENE GLYCOL
SOAPS
SODA ASH
SODIUM BICARBONATE
SODIUM BISULPHATE
SODIUM BISULPHITE
SODIUM BICHROMATE
SODIUM CHROMATE
SODIUM HYDROSULFITE
SODIUM HYPOSULFITE
SODIUM METASILICATE
SODIUM NITRATE
SODIUM ORTHOSILICATE
SODIUM PERBORATE
SODIUM PHOSPHATES, All types
SODIUM SILICATE
SODIUM SULPHIDE
SODIUM SULPHATE
SODIUM SULPHITE
SODIUM SESQUICARBONATE
STEARATES
SULPHUR
SYNTHETIC DETERGENTS
TRICHLORETHYLENE
TRISODIUM PHOSPHATE
WETTING AGENTS
ZINC SULPHATE

SERVICE **QUALITY**

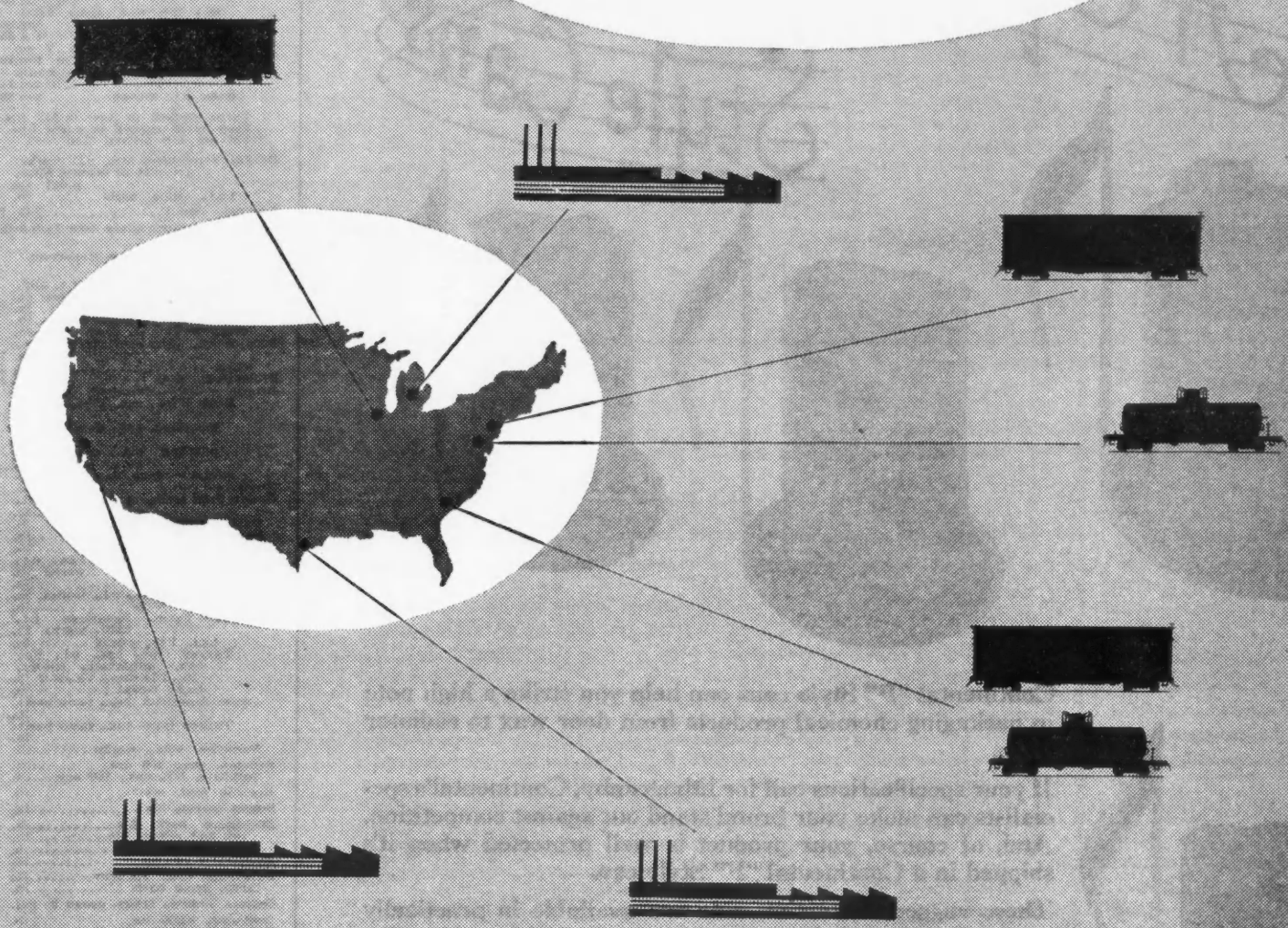
ALSO A COMPLETE LINE OF LAUNDRY & DRY CLEANING SUPPLIES

Dow Caustic Soda

serves industry

...with unequalled distributing facilities

1. Three producing plants—in Michigan, Texas and California.
2. Caustic Soda Solution bulk tank terminal distributing facilities—Carteret, N. J. and Charleston, S. C.
3. Caustic Soda Solid, Flake and Ground Flake terminal distributing facilities—Chicago, Ill., Charleston, S. C., and Port Newark, N. J.



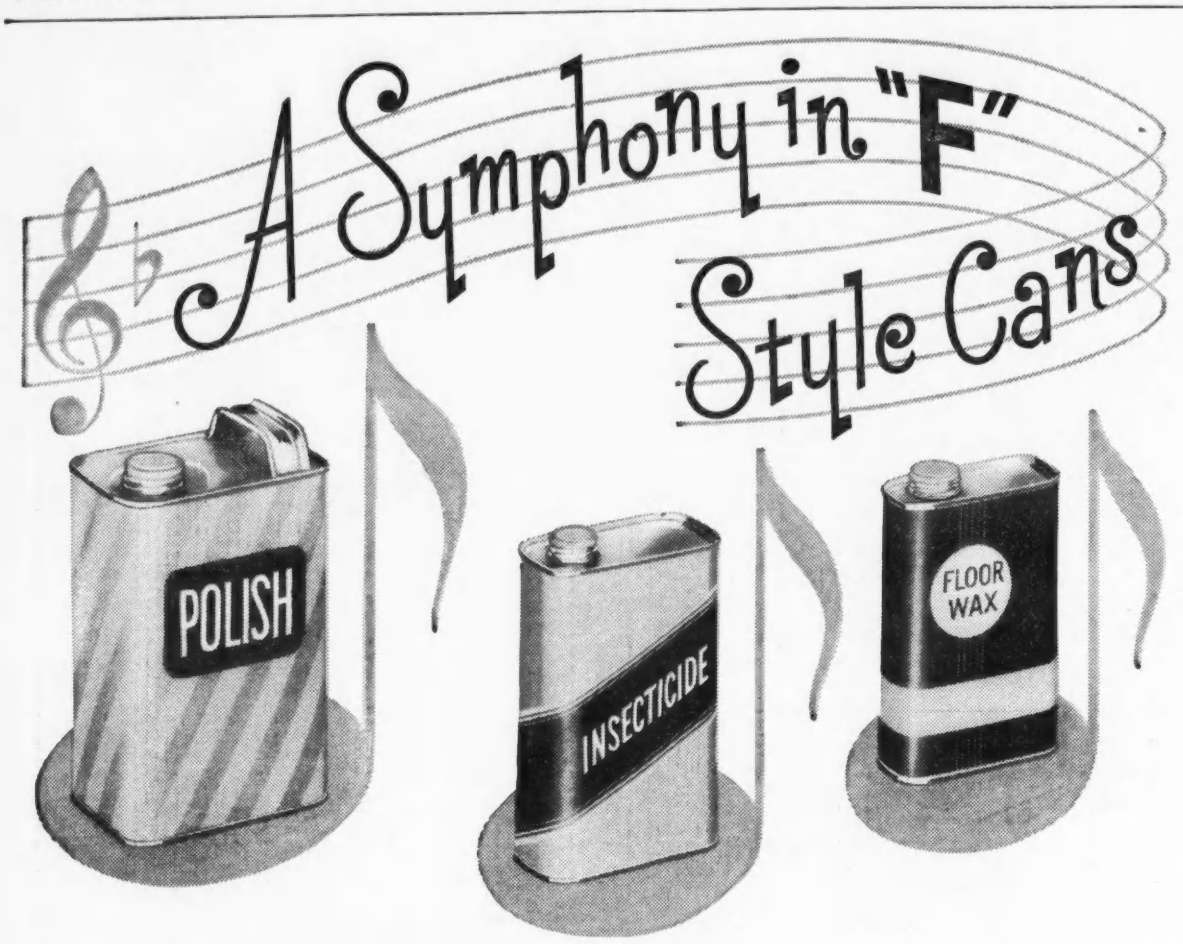
THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

New York • Boston • Philadelphia • Washington • Atlanta • Cleveland • Detroit • Chicago
St. Louis • Houston • San Francisco • Los Angeles • Seattle
Dow Chemical of Canada, Limited, Toronto, Canada

DOW
CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Bismuth-Ammonium Citrate—Butyric Ether

Bismuth-ammonium citrate, USP, powd., dms lb. 3.82 - —
Black, acetylene, bgs., c.l., works lb. .13¼- —
cs., l.c.l. shipt. point lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd lb .14¾- .22¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
l.c.l., dlvd. or whse lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs., ctns., l.c.l. dlvd or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse lb 09½- —
high modulus, bgs., c.l., works. lb. .05 - —
ctns., l.c.l., whse lb. 09 - —
semi-reinforcing bgs., c.l., works lb. 03½- —
ctns., l.c.l., whse lb. 07½- —
very fine, bgs., c.l., works lb 0740- —
l.c.l., dlvd., or whse lb. .12 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .11 - —
l.c.l., works lb. .11¼ - —
Lamp, bgs., c.l., works lb. .07 .30
Mineral, bgs., works lb. 0160- 0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls lb. .30 - .32
root, bls lb. .10 - .12
Black dyes (see Dyes).
Black haw, root bark, bls lb. .65 - .75
Tree bark, bls lb. .28 - .30
Black Indian hemp root, bls lb. .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.95.00 - —
direct process, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.90.00 - —
N. Y. whse ton.113.00 - —
bbls., c.l., works ton.90.00 - —
l.c.l., works ton.95.00 - —
N. Y. whse ton. 118.00 - —
pulp, 66⅔% bbls., c.l., works, ton.69.00 - —
l.c.l., same basis ton.75.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 6.00 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 - —
soluble, bgs., cs lb. .15 - .16
l.c.l. lb. .16 - .18
Bloodroot, bls lb. .45 - .50
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .37 - .42
Blue cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .37 - .42
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .37 - .42
soluble, bbls., same basis lb. .37 - .42
Soda, C.P., bronze, bbls., same basis lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.



Continental "F" Style cans can help you strike a high note in packaging chemical products from floor wax to radiator flush.

If your specifications call for lithography, Continental's specialists can make your brand stand out against competition. And, of course, your product is well protected when it's shipped in a Continental "F" Style can.

These rugged, attractive cans are available in practically every size you could want: ½-pint, pint, quart, ½-gallon and gallon. Why not check with Continental today and get the complete story on our "F" Style cans?

Continental also makes steel containers that are tops for bulk shipments of chemical products. They include:

CONTAINER	SUGGESTED USE
Open Head Pails	Adhesives
Closed Head Drums	Anti-Freeze
Utility Can	Insecticides
50 & 65 lb. Flaring Pails	Soap Powder
Small Flaring Pails	Dry Chemicals

CONTINENTAL CAN COMPANY

Eastern Division: 122 E. 42nd St., New York 17 Central Division: 135 So. La Salle St., Chicago 3 Pacific Division: Russ Building, San Francisco 4

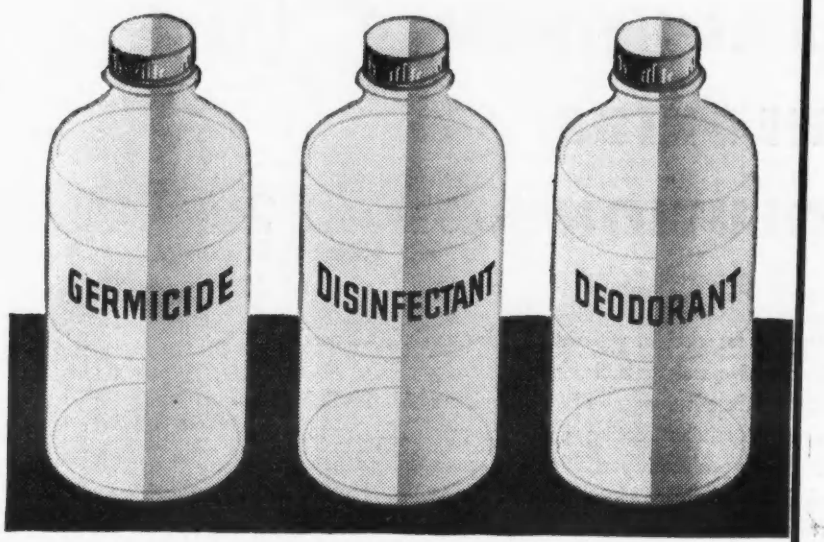
Blueflag, root, bls lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .09 - .12
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 - —
Chicago, works ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.60.00 - —
Chicago, works ton.60.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.62.50 - —
Chicago, works ton.62.50 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls lb. .15 - .16
Borage flowers, bls lb. .40 - .45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 - —
ton lots, ex whse N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton lots, ex whse, N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton lots, ex whse, N. Y. or Chi ton.106.50 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton lots, ex whse, N. Y. or Chi ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l. works ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse N. Y. or Chi ton 80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ton.55.25 - —
ton lots, ex whse N. Y. or Chi ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l. works ton.31.25 - —
powder, bgs., c.l., works ton.40.25 - —
ton lots, ex whse N. Y. or Chi ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
bbls., c.l., works ton.60.25 - —
ton lots, ex whse N. Y. or Chi ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ton.36.25 - —
Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis lb. .16 - .23
Borneol, cns. lb. 2.25 - 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 - —
1,000 lbs., same basis lb. .25 - —
single pkgs., same basis lb. .30 - —
dms., lead-lined, dlvd lb. .23 - —
Bromoform, pharmaceutical grade, bots. lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.35 - 5.75
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works, lb. .50 - .60
moulding, cns., dms., works, lb. .80 - 1.00
printing ink, cns., dms., works lb. .95 - 1.10
radiator cans dms. works lb. .60 - .65
Broomtop, bls lb. .25 - .26
Brown, iron oxide, synth., bgs., l.c.l., works lb. .12¼- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15¼
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06¼
l.c.l., bgs., works lb. .05½- .07¼
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- .08¼
l.c.l., works lb. .06½- .08¼
raw, American bgs., same basis, lb. .04¼- .06¼
Turkey type, bgs., same basis, lb. .06½- .06¾
Vandyke, bbls., works lb. .11 - —
Brucine, cns., 100 ozs oz. .35 - —
Sulphate, NF, cns., 100 ozs. oz. .30 - —
Bryonia root, bls lb. .29 - .35
Buchu leaves, bls lb. .45 - .50
Buckthorn bark, bls lb. .12 - .14
cut and sifted, bls lb. .18 - .20
Berries, bgs lb. .80 - .90
Burdock, root, bls lb. .20 - .26
Butadiene, cyls, refinery lb. .19 - —
tanks, same basis lb. .10½- —
Butane, indust., tanks, group 3 gal. .03 - —
Butternut bark, bls lb. .22 - .25
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .14¾- .29¾
l.c.l., same basis lb. .15¾- .30¾
tanks, same basis lb. .13 - .28
synthetic, normal, dms., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¾- —
tanks, same basis lb. .13 - —
secondary, dms., c.l., same basis lb. .11¼- —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .09½- —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 - —
tanks, works lb. .16 - —
Chloride, dms., c.l., works lb. .41½ —
l.c.l., works lb. .42 - —
Ether (see Ether, butyl).
Lactate, dms. c.l. frt. alld. E. of Rockies lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41 - —
Laurate, dms., works lb. .42 - —
Methacrylate, normal, dms., less than truckload, works lb. .60 - —
Oleate, refd., dms. l.c.l., works lb. .52 - —
Phenylacetate, dms lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Stearate, dms., c.l. frt. alld. E. of Rockies lb. .32 - —
l.c.l., same basis lb. .33½- —
Butylamine, dms., c.l., frt. alld. lb. .51½- —
l.c.l., same basis lb. .52½- —
tanks, same basis lb. .49¾- —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars ..... lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.15 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., cms., 100 lbs. or more lb. 4.75 - —
anhydrous, dms., 100 lbs. or more lb. 5.00 - —
Synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms., 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots. lb. 6.70 Nom.
Calabar beans, bgs., futures. lb. .65 .66
Calamine, USP, dms. lb. .27 - .29
Calamus root, dom., bgs. lb. .27 - .30
imported, bleached, bls. lb. .70 Nom.
peeled, bls. lb. .30 - .31
Calciferol, cryst., vials, 250 grams or more, works gram 1.90 - —
25 to 249 grams, works gram 2.10 - —
1 to 24 grams, works gram 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit .04¾- —
1,000 to 10,000 standard units, works unit .05¼- —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .11 - —
l.c.l., same basis lb. .12 - .13
Bromide, NF, jars lb. .80 - 1.00
Carbide, standard generator size, dms., c.l., dlvd ton 121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 23.50 - —
l.c.l., same basis ton 52.00 -82.00
liquor, works, basis 40%, tank-cars ton 9.75 - —
pellets, bgs., c.l., works ton 31.00 - —
solid, 73-75% dms., c.l., works, same basis ton 22.00 - —
l.c.l., works, same basis ton 32.00 -69.00
USP, gran., bbls. lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies lb. .30 - .50
Gluconate, AA, bbls., dms. lb. .65 - .72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib., dms. lb. 1.80 - 1.95
Hydride, dms., works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm. 24.00 -28.50
cns., cased (45 lbs.) same basis. cs. 19.75 -21.50
Hypophosphite, ton lots and less, dms. lb. .80 - .83
Iodide, jars io. 4.10 - 4.12
Lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 - .44
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .23¾- —
Nitrate, tech., works lb. .07 - .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram .07½- —
Phenolsulphonate, dms. lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 15 tons, wks. ton 105.00 - —
one ton or over, works ton 115.00 - —
less than one ton, works ton 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls. lb. .45 - .60
Calomel, USP, fine powd., dms. lb. 1.97 - 1.98
reg. powd., dms. lb. 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 2.75 - 2.85
natural, powd., 100-lb. lots lb. .45 - .55
tablets, 1-oz., ½-oz., cs lb. .85 - .93
Synthetic, tech., bbls., 2,000 lbs. or more, whse. lb. .38 - —
10 bbls. (1,500 lbs.) lb. .40 - —
smaller lots lb. .41 - .51
USP, gran., powd., bbls., 2,000-lb. lots lb. .45 - —
1,000-lb. lots lb. .46 - —
smaller lots lb. .47 - —
tablets, tins, 2,000-lb. lots. lb. .73 - —
1,000-lb lots lb. .74 - —
smaller lots lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls. lb. .25 - .30
Cantharides, Chinese, cs. lb. .75 - .85
powd., bxs. lb. .90 - 1.05
Russian, bgs. lb. 3.85 - 3.90
powd., bxs. lb. 4.00 - 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper lb. 4.00 - 6.50
from African pepper lb. 5.75 - 6.75
Caramel coloring, NF, bbls. gal. 1.05 - 1.20
Caraway, Dutch lb. .16½- .17
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .14½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., c.l., same basis lb. .08½- .08¾
l.c.l., same basis lb. .09½- —
tankcars, same basis lb. .0440- —
Dioxide, cyls. lb. .06 - .08
Carbon tetrachloride, c.p., dms., works lb. .10¾- —
NF, cbys lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .091 - —
W. of Rockies, frt. alld. lb. .09¾- —
tanks, E. of Rockies, frt. alld. lb. .07¼- —
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, fancy, cs lb. 3.60 - 3.65
bold, cs lb. 3.50 - 3.55
medium, cs lb. 3.30 - 3.35
decorticated, Alleppey, cs lb. 4.00 - 4.05
Ceylon, cs lb. 3.40 Nom.
Guatemala, cs lb. 3.45 Nom.
Indian, cs lb. 3.20 Nom.
Mangalore, cs lb. 3.35 - 3.40
green, Alleppey, bgs lb. 2.75 - 2.80
Ceylon, bgs lb. 2.75 - 2.80
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, ouik, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67¼- —
tins, works gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
Carotene, technical, emulsion (in milk), 600,000 A units per 16-oz. cn cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb. 25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 - 9.00
Cascara sagrada bark, bulk lb. .33 - .35
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point lb. .32 - .33
premium, bgs. 10,000 lbs. or more, ship't point lb. .29 - .37
imp., acid-precip., ground 100 bgs. or more, ex-dock lb. .33 - —
rennet-precip., bgs. 10,000 lbs. or more, ex dock lb. .36 - .37
Cashew nut, lig., treated, dms., c.l., t.o.b. Newark, N. J. lb. .21 - —
ton lots same basis lb. .22¼- —
dm lo's same basis lb. .24¼- —
Cassia, Batavia, longstick, bls. lb. .29 - .30
broken lb. .21 - .22
shortstick, bls. lb. .20 - .20½
China, Canton, Kwangsi, rolls, select, cs lb. .16½- .17
broken, bls lb. .14¼- .14½
Honan, Yunnan rolls, scraped, bls lb. .18 - .18¼
broken, bls lb. .17 - .17¼
unscraped, bls lb. .17 - .17½
broken, bls lb. .16½- .17

Cacao Butter—Cellulose Acetate

Cassia, Saigon, broken, bls lb. .36 - .38
medium, bls lb. .46 - .48
thin, bls lb. .48 Nom.
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports, long ton 115.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton 30.50 - —
Castoreum, natural, cns lb. 7.00 -30.00
artificial, cns. lb. 9.00 - 9.25
Catechol, CP, cryst., fib., dms., works lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls. lb. .60 - .65
Celery seed, French, bgs. lb. .42 - .43
Indian, bgs. lb. .27 - .27½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49



CH_3 $SO_2NClNa \cdot 3H_2O$

MONSANTO CHLORAMINE-T, N. F.

Solid, Chlorine-bearing Compound

Widely used as a germicide, disinfectant and deodorant, Monsanto Chloramine-T, N. F., is worthy of your investigation whenever you need a chlorine-bearing compound. It may find specialized use as an oxidizing agent, since the oxidation potential of solutions may be readily controlled by varying the alkalinity.

Chloramine-T, N. F., also known as sodium N-chloro-para-toluenesulfonamide, is a white or faintly yellow crystalline powder with molecular weight of 281.70. Solubility in water (2:15) complete; free alkali (as NaOH) 0.07-0.15%; loss on drying (3 hours at 97° C.) 18.0-20.0%; active chlorine 12.25-12.60%; assay 97.3% min.; trace max. retained on 10 mesh; 1.0-7.0% retained on 35 mesh. It is stable on the alkaline side.

For information on Monsanto Chloramine-T, N. F., or on any Monsanto product listed at the right, mail the coupon or contact the nearest Monsanto Sales Office. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1739-G South Second Street, St. Louis 4, Missouri.

DISTRICT SALES OFFICES: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle. In Canada, Monsanto (Canada) Ltd., Montreal.

MONSANTO PHARMACEUTICALS

Acetanilid, U.S.P.
Acetophenetidin, U.S.P.
Acetylsalicylic Acid, U.S.P. (aspirin)
Benzoic Acid, U.S.P.
Benzyl Benzoate, U.S.P.
Caffeine, U.S.P.
Calcium Phosphate, Di
Chloral Hydrate, U.S.P.
Chloramine-T
Ferric Phosphates
Glycerophosphates
Magnesium Phosphates
Methyl Salicylate, U.S.P.
para-Aminosalicylic Acid
Phenol, U. S.P.
Phenolphthalein, U.S.P.
Phosphoric Acid
Potassium Ammonium Phosphate
Saccharin, U.S.P.
Salicylic Acid, U.S.P.
Salol (Phenyl Salicylate)
Sodium Benzoate, U.S.P.
Sodium Phosphate, Di
Sodium Salicylate, U.S.P.
Sulfanilimide, U.S.P.

MONSANTO CHEMICALS—PLASTICS

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
1739-G South Second Street, St. Louis 4, Missouri

Please send information on: .....Chloramine-T, N. F.; on.....

.....

Name.....*Title*.....

Company.....

Street.....

City.....*Zone*.....*State*.....

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Cellulose Acetate-Butyrate—Coriander Seed

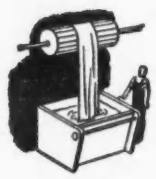
Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs. works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs. works. lb. .49 - —
36.5% butyryl content, ctns., 500 lbs. and over works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content ctns. 500 lbs. and over, works lb. .50 - .53
less than 500 lbs. works lb. .51 - .54
45% butyryl content, ctns. 500 lbs. and over. works lb. .53 - —
less than 500 lbs. works.lb. .54 - —
molding composition plain colors, pearls, transparents, special black, dms l.c.l. frt alld. lb. .58 - .61
regular blacs dms l.c.l. same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake ctns works, frt. alld. on 100 lbs or more lb. .69 - —
Cerium hydrate, dms. works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .73
Oxide, optical grade bgs under 100 lbs. works lb 2.25 - —
kgs., 100-lb lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l. works lb .027½- .05¼
l.c.l., ex whse lb .04 - —
paint, bgs. c.l. works ton.40.00 - —
papermakers, ngs c.l., works ton.32.50 -40.00
rubber makers, bgs. c.l., works ton.30.00 - —

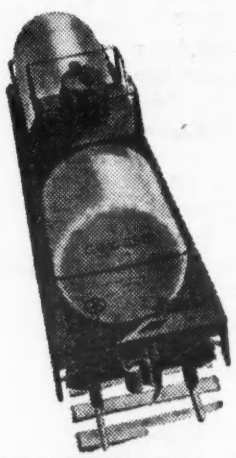
Chamomile flowers, Hungarian, cs.lb. .55 - .85
Roman, bls. lb. .85 - .90
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32¼
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs., incl. c.l. works ton.46.80 -59.00
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran. powd., ogs., c.l. works, South ton.40.00 - —
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l., works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —

China clay, imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.19.00 -40.00
powd., ugs., c.l., ex dock, net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. .75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., frt. alld. lb. .12½- .13¼
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb .43 - —
Chlorine, liquid, cyls., c.l., NY lb. .08¾- —
l.c.l., NY, stock points lb. .10¼- —
tanks, single units works, frt. equald 100 lbs. 2.55 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.05 - —
2 cars, same basis 100 lbs. 3.65 - —
1 car, same basis 100 lbs. 4.25 - —
Chloroform, tech. dms., c.l. divd. E. lb. .18 - .20
l.c.l., same basis lb. .20 - .22
tanks, same basis lb. .16 —
USP, dms. lb. .30 - .35
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 3.73 - 4.25

Chloropicrin, com'l, bots lb 1.40 - —
cyls., 150-lbs., frt. alld. lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.55
Chloride, fib. dms., same basis lb. 2.30 - 2.55
Dihydrogen citrate, fib dms., same basis lb. 2.30 - 2.55
Chromium acetate, powd. 72% Cr., bbls. works lb. No stocks
solut., 7½%, bbls. works lb. .08 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08½- —
cbys. lb. .10¼- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide)
Oleate, solid, bbls lb. 49 - —
Trioxide, USP, bots lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 - 9.29
Cinchona bark NF, red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs. oz. .37 - .40¼
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls. lb. .45 - .47
Citral, bots., cns. lb. 5.35 - 5.55
Citronellal bots. dms. lb 2.50 - 2.75
Citronellol, bots., dms. lb. 2.85 - 3.15
Civet, bots. oz. 4.00 -13.00
artificial, bots. lb.13.75 -15.00
Clove, Madagascar, bls. lb. .27 - .27½
futures, bls lb. No offers
Zanzibar, bls. lb. .27 - .27½
afloat lb. .27 - .27½
Clover tops, red, dom., bgs lb. .65 - .70
imported, bgs lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms. c.l. ex-whse, gal. .23½- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale, bbls. c.l. ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks ex-whse gal. .14½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works. lb. .91¼- —
Hydrate, 60.3% Co, bbls. lb. 2.13 - —
Linoleate paste 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Metal, 97.99%, kgs., ex-whse. lb. 1.30 - —
under 400 lbs. ex-whse lb. 1.82 1.87
Naphthenate, liq., 6% Co, dms lb. .37¼- —
Nitrate, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs. lb. 1.31¼- —
Resinate, fused 3% Co dms lb. .22¾- —
Sulphate, bgs, 21% Co, kgs lb. 1.05 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots.oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs. lb. .69 - .70
Cocillana bark bgs lb. .16 - .17
Cocoa butter, bgs. lb. .84 - .85
Codeine, NF cns. 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs. oz.11.85 - —
Phosphate, USP cns., 100 ozs. oz.10.25 - —
Sulphate, USP cns. 100 ozs. oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black root, bls lb. .20 - .25
Blue, root, bls lb. .15 - .17
Colchicine, USP, bots., cns. oz.79.00 -85.00
Colchicum root, bls. lb. .60 - .70
Seed, bgs. lb. 1.10 - 1.20
Collodion, USP, dms. lb. .21 - —
Flexible, USP, dms. lb. .22½- —
Colocynth, pulp, bls. lb. .25 - .27
Colombo root, bls. lb. .13 - .15
Coltstoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .20 - .22
Copaiba balsam, cns., dms. lb. .68 - .75
Copper acetate, cuprie bbls., works lb. .28 - —
smaller containers, works lb .29 - .30
Carbonate, 55%, bgs., works lb.20.90 -21.90
Chloride, anhyd., bbls., works. lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb. bots. lb. 2.40 - —
Cyanide, tech., bbls. lb. .494 - .516
Gluconate, cns., dms lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .27½- .28
Metal, electrolytic, dlvd lb. .22½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld. lb. .22¾- —
Nitrate, tech., cryst. bbls. works. lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls. lb. .27 - —
solid, 10% Cu, bbls lb. .30 - —
Oxide, black, bbls., works lb. .29 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld. lb. .24¼ Nom.
Quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, bgs. works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 8.35 - 8.10
CP, cryst., gran., dms., works. lb. .1385- —
monohydrated, 35%, dms., c.l., works 100 lbs.13.30 - —
tribasic, dealers, bgs., c.l., works, frt. alld. lb. .226 - —
l.c.l., works lb. .236 - —
USP, gran., cryst., dms. lb. .1385- .26
Undecylenate, dms lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.212.50 - —
Pacific ports ton.207.50 - —
Coriander seed, Argentine, bgs. lb. .19 - .20
Italian, bgs lb. No stocks
Moroccan, bgs. lb. .26 - .28

How can B&A ALUMINUM CHLORIDE SOLUTION Help you?





When your research or production programs indicate need for an inexpensive, water-soluble aluminum compound, investigate the advantages of B&A Aluminum Chloride Solution. As a raw material or treating agent, it may prove the key to your process problems, particularly those requiring a material low in iron, arsenic, and heavy metals.

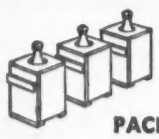
This superior B&A Fine Chemical is notable for its clarity and high purity. It is readily available as a 32° Baume solution, containing not less than 50.3% $AlCl_3 \cdot 6H_2O$. Its quality and uniformity are maintained through rigid laboratory control during production . . . your assurance of another B&A Fine Chemical made to meet the most exacting requirements.

For further information, or immediate shipments, write or 'phone the nearest B&A office listed below. Samples available on request.

USES

- For precipitation of pectins from fruit wastes
- In the manufacture of anti-perspirants and deodorants
- As a carbonizing agent for wool
- As a hardening ingredient of photographic fixing baths
- For purification of glycerine by-product of soap manufacture
- In the preparation of color lakes
- As a raw material in the manufacture of aluminum hydroxide and other basic aluminum compounds

REAGENTS B&A BAKER & ADAMSON QUALITY STANDARD OF PURITY FINE CHEMICALS



PACKAGING

B&A Aluminum Chloride Solution is readily available for shipment from convenient shipping points in—

Carboys...Net weight 135 lbs.

Tank Cars...Net weight 21-42 tons, approx.

BAKER & ADAMSON Fine Chemicals

GENERAL CHEMICAL DIVISION

ALLIED CHEMICAL & DYE CORPORATION

40 RECTOR STREET, NEW YORK 6, N. Y.

Offices: Albany • Atlanta • Baltimore* • Birmingham* • Boston • Bridgeport* • Buffalo* • Charlotte* Chicago* • Cleveland* • Denver* • Detroit* • Houston* • Jacksonville • Los Angeles* • Minneapolis New York* • Philadelphia* • Pittsburgh* • Providence* • St. Louis* • San Francisco* Seattle • Yakima (Wash.)

In Wisconsin: General Chemical Company, Inc., Milwaukee, Wis.

In Canada: The Nichols Chemical Company, Limited • Montreal* • Toronto* • Vancouver*

SETTING THE PACE IN CHEMICAL PURITY SINCE 1882

* Complete stocks are carried here.

it's later than you think...

but, you can still jump your vitamin capsule profits this season—
Wire, write or phone Strong Cobb & Company today. We will tell you how.

New economies in our soft elastic capsule production give
you the most favorable buying market in years. Ask for our comparative
data sheets on Strong Cobb soft elastic capsules.

Get your share of the season's vitamin capsule
profits! We will assure you RAPID DELIVERY ON EVERY ORDER!

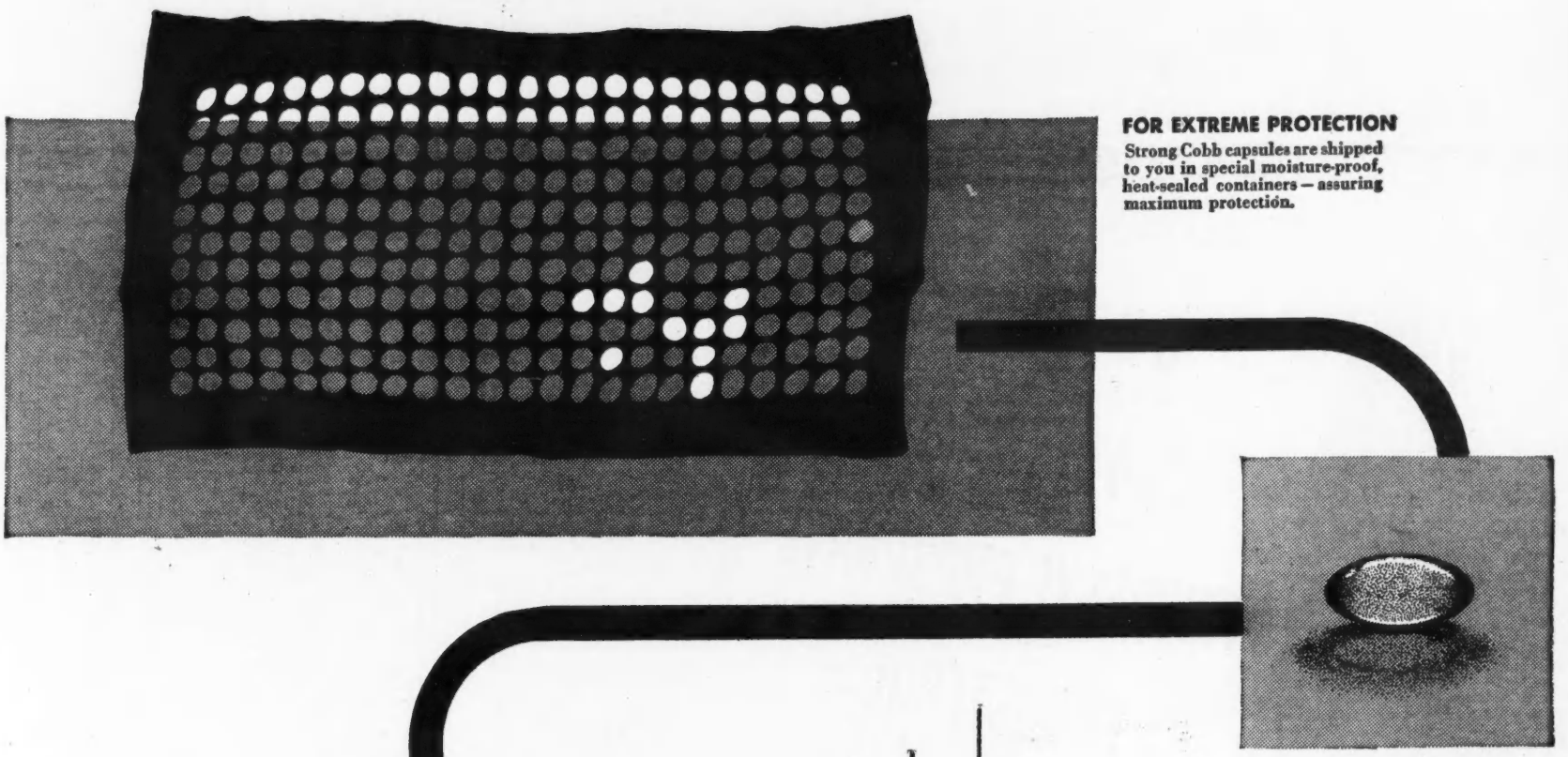
Strong Cobb's jewel-like soft elastic capsules are
backed by our reputation for top-notch standardized laboratory controls.
We not only deliver top-quality capsules, but they are uniform, batch after batch.

Strong Cobb will make capsules to your exact specifications,
or you may order from our line of stock vitamin capsules.

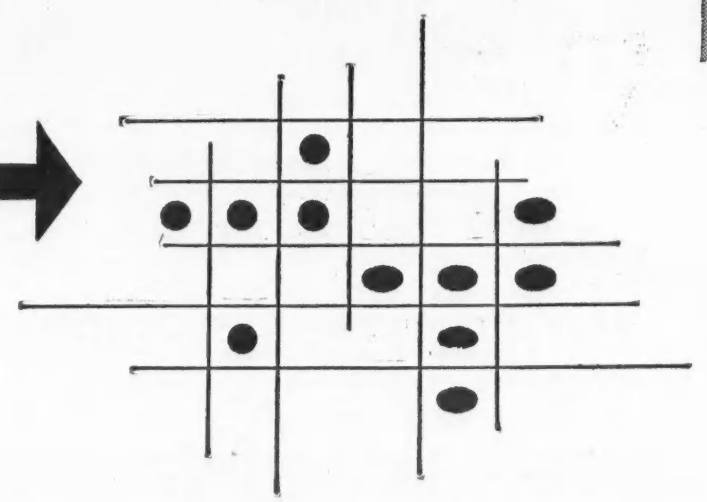
If you wish prices on private formulae capsules—send us your formulae
and specify overrides required. If you are interested in our
"stock" capsules—write or phone for a copy of our current stock capsule
price list. Many formulations are available from stock.

Strong Cobb & Co. Inc.

2654 Lisbon Road • Cleveland 4, Ohio
Tel. Sweetbriar 0600



FOR EXTREME PROTECTION
Strong Cobb capsules are shipped to you in special moisture-proof, heat-sealed containers — assuring maximum protection.



ALL CAPSULES IN MANY COLORS—CLEAR AND OPAQUE
Standardized
Uniform
Unexcelled Laboratory and Plant Control
Accurate Individual Dosage
Positive Fill

STANDARD SIZES IMMEDIATELY AVAILABLE

Write for samples of our beautiful, pharmaceutically elegant capsules

Corn Sugar—Di-isobutyl Ketone

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min.	100 lbs.	6.24	—
bbls., c.l., same basis	100 lbs.	6.30	—
Syrup, 42°, bbls., c.l.	100 lbs.	6.52	—
l.c.l.	100 lbs.	6.67	—
Cornsilk, bls	lb.	.15	.19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more	lb.	1.68	—
gran., powd., dms., 50 lbs. or more	lb	1.53	—
Cottonroot bark, bls	lb.	.26	.28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton		1.75	—
Meal, 41% protein, bulk, Memphis	ton.	67.50	—
Coumarin, NF, cns	lb.	2.75	3.05
powd., cans	lb.	3.00	3.30
Cramp bark, NF, bls	lb.	1.00	1.05
Cranesbill root, bls	lb.	.25	.30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship	lb.	.26¼	—
smaller lots, bbls., kgs	lb.	.26¾	.27¼
Creosote coaltar, crude, tanks, works, frt. equald	gal.	.14	.18
refined, dms., c.l., works	gal.	.36½	.40
l.c.l., same basis	gal.	.37½	.47
tanks, same basis	gal.	.23½	—
solution, 90%, tanks, works	gal.	.168	—
NF, beechwood, bots., cbys	lb.	1.15	1.20
hardwood, bots, cbys	lb.	.85	—
Pinewood, dms	gal.	.31	.35
Carbonate, NF, bots., cbys	lb.	2.35	2.40
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald.	lb.	.138	—
l.c.l., same basis	lb.	.141	—
Cresols, tech., dry, above 207°C, ret. dms., c.l., same basis.	lb.	.1375	—
l.c.l., same basis	lb.	.1410	—
tanks, same basis	lb.	.125	—
USP, non-ret. dms., c.l., same basis	lb.	.148	—
l.c.l., same basis	lb.	.151	—
ret. dms., c.l., same basis	lb.	.145	—
l.c.l., same basis	lb.	.148	—
tanks, same basis	lb.	.135	—
Crotonaldehyde, 91-93% dms., c.l works	lb.	.16½	—
l.c.l., works	lb.	.17	.20
Cryolite nat., dealers, bgs., c.l., works	100 lbs.	13.75	—
bbls., l.c.l., works	100 lbs.	14.00	—
Cube root powd., 5% rotenone, bgs., ton lots, works	lb.	.26	.30
Cubeb berries, XX NF bgs	lb.	.35	.45
powd., cs.	lb.	.44	.54
Culvers root, bbls	lb.	.50	.60
Cumene dms., c.l.	lb.	.08	—
l.c.l.	lb.	.09	—
tanks	gal.	.53	.56
Cumin seed, Iranian, bgs	lb.	.17	.17½
Morocco, bgs	lb.	.17	.17½
Syrian, bgs	lb.	.17	.17½
Cutch extract, 55% tannin, bgs., ex dock	lb.	.06¾	—
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton		46.50	—
	ton.	46.50	—
pulv 21% N. bgs., same basis	unit-ton.	2.25	—
Cyclohexane, tech., dms., c.l., works.	lb.	.11	—
l.c.l., works	lb.	.11¾	—
tanks, works	lb.	.09¼	—
Cyclohexanol, tech., dms., c.l., works.	lb.	.31½	—
l.c.l., works	lb.	.33	—
tanks, works	lb.	.30	—
Cyclohexanone, tech., dms., c.l.	lb.	.26½	.30
l.c.l., works	lb.	.27	.31
tanks, works	lb.	.25	.29
Cyclohexylamine, dms., c.l., works.	lb.	.36½	—
l.c.l., works	lb.	.37½	—
tanks, works	lb.	.35½	—
Cyclopropane, USP 2 lb. cyls, works,	cyl.	40.00	—
6 oz. cyls., works	cyl.	10.50	—
Hospitals, cyls., 40 gal. lots	gal.	.32	—
100-gal. lots	gal.	.31	—
200-gal. lots	gal.	.30	—

D

2,4-D, bbls., c.l. works, frt. equald.	lb.	.43	.48
l.c.l., same basis	lb.	.48	.60
Isopropyl ester, dms., c.l., works	lb.	.54	—
l.c.l., works	lb.	.59	.66
Damiana leaves, bls	lb.	.40	.45
Dandelion root, bls	lb.	.50	.55
DDD, tech., fine grd., fib., dms., c.l., works	lb.	.51	—
l.c.l., works	lb.	.51½	—
lump, fib., dms., c.l., works	lb.	.49	—
l.c.l., works	lb.	.49½	—
DDT, fiber, dms., c.l., works, frt. equald	lb.	.34	.36
smaller lots, same basis	lb.	.35	.38
Decanol normal, tech., dms., c.l., dlvd	lb.	.34½	—
l.c.l., dlvd.	lb.	.36½	—
tanks, dlvd.	lb.	.32	—
Deertongue leaves, bls	lb.	.30	.35
Defluorinated phosphate, 65% b.p.l., paper bgs., works	ton	44.15	55.75
Rock, 14½%P, paper bgs., works	ton.	45.00	—
Degras, common, bbls	lb.	.11	.12
Neutral, less 2% ffa., bbls	lb.	.21	.22
over 2% ffa., bbls	lb.	.20	.21
Derris root, 5% rotenone powd	lb.	.42	—
Desoxyephedrine hydrochloride, dextro, dms	lb.	30.00	—
dextro-laevo, dms	lb.	7.50	—
Dextrin, corn, gum, paper bgs., c.l.	100 lbs.	7.65	—
l.c.l.	100 lbs.	7.80	—
Chicago, c.l.	100 lbs.	7.00	—
canary, paper bgs., c.l.	100 lbs.	7.49	—
l.c.l.	100 lbs.	7.64	—
Chicago, c.l.	100 lbs.	6.84	—
dark, paper bgs., c.l.	100 lbs.	7.59	—
l.c.l.	100 lbs.	7.74	—
Chicago, c.l.	100 lbs.	6.94	—
white, paper bgs., c.l.	100 lbs.	7.34	—
l.c.l.	100 lbs.	7.49	—
Chicago, c.l.	100 lbs.	6.69	—

Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.

Potato, bgs	lb.	.08½	.09
Tapioca, pure, envelope, bgs	lb.	.15	.16
Dextrose, USP dms	lb.	.17¾	—

Diacetone (see Alcohol, diacetone).

Diacetyl, flavor grade, bots	lb	6.00	9.55
laboratory grade, bots	100 grams.	4.50	—
tech., bots., works	lb	3.00	—

Diamyl ether (see Ether, amyl).

Phthalate, dms., c.l., dlvd. E	lb.	.34¼	—
l.c.l., dlvd. E	lb.	.35¼	—
tanks, dlvd. E	lb.	.32½	—
Dianisidin, dms	lb.	1.75	—
Diatomaceous earth, dom., bgs., c.l., Atlantic coast	ton.	50.00	52.00
California	ton.	38.00	40.00
l.c.l., ex whse	ton	30.00	—
purified, bgs. c.l., Atl. coast	ton.	62.00	—
California	ton.	50.00	—
l.c.l. ex whse	ton.	90.00	—
Imported, Algerian, bgs., c.l., Atlantic coast	ton.	No prices.	
Mexican, white, bgs. c.l., Atlantic coast	lb.	.03	—
l.c.l., Atlantic coast	lb.	.06	—
Dibenzyl sebacate, dms. c.l. works.	lb.	.66½	—
l.c.l., works	lb.	.67	—
tanks, works	lb.	65	—
Dibutoxyethyl sebacate, dms., c.l., works	lb.	.55½	—
l.c.l. works	lb.	.56	—
tanks, works	lb.	.54	—
Dibutyl phthalate, dms., c.l., dlvd.	lb.	.29	.29¾
l.c.l., dlvd	lb.	.30	.30¾
tanks, dlvd.	lb.	.27½	.28¼
Sebacate, dms., c.l., works	lb.	.51	—
l.c.l., works	lb.	.51½	—
tanks, works	lb.	.49½	—
Tartrate, dms., works, frt. alld	lb.	.62	—
Dibutylamine, dms., c.l., frt. alld	lb.	.51½	—
l.c.l., frt. alld	lb.	.52½	—
tanks, frt. alld	lb.	.49¾	—
Dicapryl phthalate, dms., c.l., dlvd.	lb.	.36½	—
l.c.l., dlvd	lb.	.37½	—
tanks, dlvd	lb.	.35	—
Sebacate, dms., c.l., works	lb.	.54½	—
l.c.l., works	lb.	.55	—
tanks, works	lb.	.53	—
Dichloroanilin, dms., works	lb.	75	80
Dichlorodiphenyldichloroethane (see DDD).			
Dichlorodiphenyltrichloroethane (see DDT)			
Dichloroethyl ether (see Ether, dichloroethyl).			
Dichloropentanes, dms., c.l., works.	lb.	.047	—
l.c.l., works	lb.	.055	—
tanks, works	lb.	.04	—
Dichlorophenol, dms., c.l., frt. equald	lb.	.27	—
l.c.l., frt. equald	lb.	.28	—
Dicyclohexylamine, dms., c.l., works	lb.	.40¼	—
l.c.l., works	lb.	.41	—
tanks, works	lb.	.39	—
Dicyclohexylphthalate, bls, dms., c.l., works	lb.	.40½	—
l.c.l., same basis	lb.	.41½	—
Diethanolamine, dms., c.l., bbls	lb.	.25½	—
l.c.l., same basis	lb.	.27½	—
tanks, same basis	lb.	.25	—
Diethyl carbonate, dms., c.l., frt. alld	lb.	.36¾	—
l.c.l., same basis	lb.	.37¾	—
tanks, same basis	lb.	.35	—
Maleate, dms., c.l., dlvd	lb.	.45	—
l.c.l., dlvd.	lb.	.49	.52¼
tanks, dlvd	lb.	.43½	—
Oxalate, dms., c.l., frt. alld	lb.	.34¾	—
l.c.l., same basis	lb.	.35¾	—
tanks, same basis	lb.	.33	—
Phthalate, dms., c.l., dlvd	lb.	.25½	—
l.c.l., dlvd.	lb.	.26½	—
tanks, dlvd.	lb.	.24	—
Sulphate, dms., c.l., works	lb.	.16	—
l.c.l., works	lb.	.16½	—
tanks, works	lb.	.14½	—
Diethylamine, dms., c.l., frt. alld, E	lb.	.57	—
l.c.l., same basis	lb.	.58	—
tanks, same basis	lb.	.55¼	—
Diethylanilin, dms	lb.	.48	—
Diethyleneglycol dms., c.l., frt alld, E	lb.	.17½	.18¾
l.c.l., same basis	lb.	.18½	.19¾
tanks, same basis	lb.	.16	.17
Boriborate, dms., l.c.l	lb.	.28	—
Diethylether, dms., c.l., works	lb.	.46½	—
l.c.l., works	lb.	.47	—
Monobutylether, dms., c.l., works.	lb.	.24½	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.23	—
Monobutylether acetate, dms., c.l., works	lb.	.26	—
l.c.l., works	lb.	.26½	—
Monoethylether, dms., c.l., works.	lb.	.18	—
l.c.l., works	lb.	.18½	—
tanks, works	lb.	.16½	—
Monoethylether, acetate, dms., c.l., works	lb.	.24	—
l.c.l., works	lb.	.24½	—
Monomethylether, dms., c.l., works	lb.	.22	—
l.c.l., works	lb.	.22½	—
tanks, works	lb.	.20½	—
Diethylenetriamine, dms., c.l., works.	lb.	.42	—
l.c.l., works	lb.	.42½	—
tanks, works	lb.	.40	—
Diethylethanolamine, dms., c.l., works, frt. alld	lb.	.61½	—
l.c.l., same basis	lb.	.62½	—
tanks, same basis	lb.	.59¾	—
Diethylstilbestrol, USP, bots	kilo.	240.00	320.00
Digitalin, cryst., bots	gram.	12.50	18.00
powd., bots	oz.	25.00	30.00
Digitalis leaves, dms	lb.	.85	1.25
Digitoxin, USP, bots	gram.	7.50	8.00
Diglycol, laurate, dms	lb.	.30	.32
Oleate, dms	lb.	.25	.27
Stearate, dms	lb.	.25	.26
Dihexyl sebacate, dms., c.l., works,	lb.	.42½	—
l.c.l., works	lb.	.43	—
tanks, works	lb.	.41	—
Dihydrostreptomycin hydrochloride and sulphate, hospitals vials.	gram.	.60	—
wholesalers, vials	gram.	.48	—
Dihydroxydichlorodiphenylmethane, dms	lb	.95	1.00
smaller containers	lb	1.05	1.40
Di-isobutyl ketone, dms., c.l., dlvd.	lb.	.14¼	—
l.c.l., dlvd.	lb.	.15¼	—
tanks, dlvd.	lb.	.12½	—

MONTROSE MONTROSE MONTROSE

TROSE MONTROSE MONTROSE MONT

MONTROSE MONTROSE MONTROSE

TROSE MONTROSE MONTROSE MONT

MONTROSE MONTROSE MONTROSE

TROSE MONTROSE MONTROSE MONT

MONTROSE MONTROSE MONTROSE

TROSE MONTROSE MONTROSE MONT

MONTROSE MONTROSE MONTROSE

TROSE MONTROSE MONTROSE MONT

MONTROSE MONTROSE MONTROSE

TROSE MONTROSE MONTROSE MONT

DDT Government Specifications

2,4-D Acid, Salt and Isopropyl Ester

TRICRESYL PHOSPHATE

ERGOSTEROL
(Non Irradiated)

MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY

SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Di-isobutylene, dms., c.l., works lb. .08¼ - —
l.c.l., works lb. .09 - —
tanks, works lb. .05½ - .06½
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .37½ - .39½
l.c.l., same basis lb. .38½ - .40½
tanks, same basis lb. .36 - .38
Di-isopropylamine, dms., c.l., frt. alld lb. .45¼ - —
l.c.l., same basis lb. .46¼ - —
tanks, same basis lb. .43½ - —
Dilseed, natural, bgs. lb. .10½ - .11
dewhiskered, bgs. lb. .13 - .13½
Dimethyl chloroacetal, dms., c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Phthalate, dms., c.l., dlvd. lb. .24½ - —
l.c.l., dlvd. lb. .25½ - —
tanks, dlvd. lb. .23 - —
Sebacate, dms., c.l., works lb. .69½ - —
l.c.l., works lb. .70 - —
tanks, works lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .40½ - —
Dimethylamine, 25%-40% dms., c.l., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .37½ - .38½
tanks, works, basis 100% lb. .32 - —
Dimethylanilin, dms., c.l. lb. .24 - —
l.c.l. lb. .25 - —
tanks lb. .23 - —
Dimethylethanolamine, dms., c.l., dlvd lb. 1.43 - —
l.c.l., dlvd. lb. 1.45 - —
tanks, dlvd. lb. 1.40 - —
Dinitroanilin, dms., frt. equald lb. .54 - .57
Dinitrobenzene, crude, dms. lb. .18 - —
purified, dms. lb. .19½ - —
Dinitrochlorobenzene, dms., c.l. lb. .16¼ - —
l.c.l. lb. .17¼ - —
tanks lb. .15¼ - —
Dinitrophenol, bbls. lb. .31 - —
Dinitrotoluene, oily, dms. lb. .09½ - —
refd., dms. lb. .19 - —
Dinonylnaphthalene, c.l., dms., work. lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl adipate, dms., c.l., works, frt. alld. lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. .40½ - —
Phthalate, dms., c.l., frt. alld. lb. .37½ - .39¾
l.c.l., frt. alld. lb. .38½ - .40¾
tanks, frt. alld. lb. .36 - .38
Diorthotolyiguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld. lb. .25 - —
l.c.l., same basis lb. .25½ - —
tanks, same basis lb. .23½ - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - —
l.c.l., same basis gal. .36 - —
N. Y. whse. gal. .46 - —
tanks, works, South gal. .20 - —
steam-dist., dms., c.l., works, south gal. .35 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .62
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, bbls. lb. .27 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld. lb. .14½ - .15¾
l.c.l., same basis lb. .15½ - .16¾
tanks, same basis lb. .13 - .14
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16½ - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls. lb. .20 - .24
imp., NF, cut, bls. lb. .25 - .30
Dogwood bark, Jamaica lb. .10 - .14
Dragon's blood, drops, cs. lb. .45 - .47
mass, cs. lb. .90 - 1.00
reeds, cs lb. 1.75 2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 17.00 - 17.60
Green, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 22.20 - 22.85
No. 3, cns. lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns. lb 3.65 3.75
No. 2, cns. lb 4.65 4.75
Red, FD&C, No. 1, cns. lb 7.55 7.85
No. 2, cns. lb 4.00 4.10
No. 3, cns. lb. 22.20 - 22.85
No. 4, cns. lb 7.20 7.50
No. 32, cns. lb 5.30 5.40
Violet, FD&C, No. 1, cns. lb. 16.10 - —
Yellow, FD&C, No. 1, cns. lb. 10.50 - 11.05
No. 3, cns. lb 3.30 3.40
No. 4, cns. lb 3.30 3.40
No. 5, cns. lb 4.00 - 4.10
No. 6, cns. lb 4.00 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No 1, cns. lb. 10.95 - —
Blue, D&C, No. 4, cns. lb. 13.55 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb. 16.10 - —
No. 7, cns. lb. 14.80 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb 5.70 - —
No. 10, cns. lb. 20.70 - —
Red, D&C, No. 8, cns. lb 3.75 - —
No. 9, cns. lb 3.75 - —
No. 10, cns. lb 3.00 - —
No. 11, cns. lb 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 19, cns. lb. 20.05 - —
No. 21, cns. lb 4.70 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns lb. 17.45 - —
Violet, D&C, No. 2, cns. lb. 16.10 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Yellow, D&C, No. 7, cns. lb. 10.95 - —
No. 8, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —
No. 22, cns. lb 9.15 - —
No. 33, cns. lb. 14.65 - —
No. 37, cns. lb. 13.55 - —
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots works, 25-50 lb. lots dlvd:—
Blue, Ext. D&C, No. 1, cns. lb. 16.10 - —
Green, Ext. D&C, No. 1, cns. lb. 16.10 - —
Red, Ext. D&C, No. 1, cns. lb. 13.50 - —
Yellow Ext D&C No 1 cns. lb. 10.95 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G lb. .76 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .90 - —
79 Ponceau R. lb. .68 - —
151 Orange II. lb. .44 - —
165 Red lake C. lb 1.05 - —
179 Azo rubine. lb. .95 - —
176 Red lake A lb. .80 - —
180 Diamond blue 3B lb. .84 - —
185 Cochineal red A lb. .85 - —
202 Chrome blue black R. lb. .62 - —
203 Chrome black T lb. .72 - —
208 Sulphon acid blue R. lb. .83 - —
216 Acid alizarin red B. lb. .77 - —
234 Resorcin brown lb. .82 - —
246 Naphthol blue black lb. .78 - —
278 Benzo fast red SRL lb 2.74 - —
289 Sulphon cyanine 5R extra lb 1.00 - —
299 Diamond black F lb 1.78 - —
304 Nerol 2B lb. 1.84 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—
326 Benzo fast orange S lb. 1.45 - —
332 Bismarck brown R lb. .78 - —
365 Chrysophenine lb 2.14 - —
382 Diamine black BH lb 1.51 - —
401 Diamine black BH. lb. .53 - —
406 Benzo blue 2B conc. lb. .98 - —
419 Diamine fast red F. lb 1.05 - —
420 Diamine brown M. lb. .82 - —
448 Benzo purpurine 4B. lb 1.08 - —
518 Diamine sky blue FF lb 1.48 - —
561 Trisulphon brown B lb. 1.78 - —
581 Direct deep black EW extra. lb. .81 - —
593 Diamine green B. lb. .60 - —
598 Congo brown G lb. 1.20 - —
620 Sun yellow lb .84 - —
639 Xylene light yellow. lb 1.77 - —
640 Tartrazine lb 1.54 - —
655 Auramine lb 1.69 - —
657 Malachite green lb 1.93 - —
662 Brilliant green lb 2.53 - —
667 Brilliant milling green B lb. 3.27 - —
671 Glaucine lb 1.54 - —
680 Methyl violet B lb .95 - —
681 Crystal violet lb 1.91 - —
698 Formyl violet S4B. lb 1.51 - —
720 Chrome azurol B. lb 3.60 - —
729 Victoria blue B lb 2.48 - 2.68
737 Wool green S lb 2.14 - —
749 Rhodamine B lb 3.83 - —
814 Chloramine yellow. lb 2.76 - —
841 Safranine lb 2.58 - —
865 Nigrosine WSJ 78 lb. .60 - —
922 Methylene blue GXX lb 1.28 - —
969 Hydron blue R lb 72 - —
978 Sulphur black T extra. lb. .28½ - —
1027 Alizarin VI lb .64 - —
1034 Alizarin red S lb 2.30 - —
1054 Alizarin saphiro B. lb 2.59 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):
1078 Alizarin cyanine green lb 2.61 - —
1085 Alizarin blue black B lb 2.13 - —
1090 Indanthrene golden orange G. single paste lb 1.96 - —
double paste lb 3.92 - —
1099 Indanthrene dark blue BO. single paste lb 1.72 - —
1101 Caledon jade green lb 2.32 - —
1106 Indanthrene blue RS, double paste lb. 2.52 - —
1113 Indanthrene blue GCD, double paste lb. 1.72 - —
1150 Indanthrene olive R, single paste lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb 1.57 - —
p-4 Acid anthracine brown P G. lb 2.48 - —
p-14 Anthracene chromate brown 2B lb. 1.25 - —
p-24 Benzo fast black L. lb. 1.94 - —
p-80 Diazo brilliant scarlet ROA. lb 2.55 - —
p-202 Zambesi black V lb. .97 - —
p-244 Cellition scarlet B lb. 1.25 - —
p-313 Naphthol AS-SW lb 2.74 - —
Dyes, coaltar for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No 550. lb. .72 - —
Jet, No 551 lb. .79 - —
Brown R conc lb. 1.44 - —
Orange R, brilliant. lb 80 - —
Red 4 B conc lb. 1.22 - —
Yellow, C lb 1.05 - —
FN conc lb 1.08 - —

the case of the

RELUCTANT DRAGON'S BLOOD

...how Mallinckrodt Research solved a costly problem for the photo-engraving industry

This illustration, like most you see in your newspapers, magazines and books, was printed from photo-engraved plates—made by etching a sheet of metal with acid to leave the raised lines and dots which transfer ink to paper.

To prevent the acid from etching away the dots, they are protected by a powder which forms an acid-resistant film when heated. For many years, engravers were dependent on a powdered resin obtained from the sap of a Far Eastern tree, called "Dragon's Blood"... so non-uniform and hard to control that plates frequently had to be remade and valuable time was lost.

Mallinckrodt research produced the first synthetic, uniform etching powder which took much of the guesswork out of etching. The elimination of batch to batch variation enabled engravers to make better plates faster and cheaper.

RESULT: an entire industry profits from Mallinckrodt pioneering. Our business is supplying the answers to industry's toughest chemical problems. *What are yours?*

MALLINCKRODT CHEMICAL WORKS

Mallinckrodt St., St. Louis 7, Mo. / 72 Gold St., New York 8, N. Y.

CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES • MONTREAL • PHILADELPHIA • SAN FRANCISCO

Manufacturers of Medicinal, Photographic, Analytical and Industrial Fine Chemicals

Dyes, Coaltar, for Stains, Spirit-Soluble—Furfural

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O ..... lb. 1.69 • —
Black, basic, blue ..... lb. 1.08 • —
Jet ..... lb. 1.08 • —
Blue, methylene, 2 B, conc lb. 1.42 • —
Brown, Bismarck, R, conc lb. .72 • —
Chrysodine, R, extra ..... lb. .85 • —
Y, extra ..... lb. .59 • —
Fuchsine, conc ..... lb. 2.82 • —
Green, malachite, conc ..... lb. 1.93 • —
Rhodamine, B ..... lb. 3.97 • —
Safranine, Y, conc ..... lb. 2.66 • —
Violet, methyl, B ..... lb. 1.01 • —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Black, acid blue, S, extra lb. .76 • —
Orange, acid, Y, conc ..... lb. .42 • —
Rhodamine, azo R, extra, conc.
Rhodamine, R, extra, conc lb. 3.07 • —
Scarlet, croceine, MOO ..... lb. 1.33 • —
Yellow, azo-, conc ..... lb. .82 • —
Fast light, 3 G, extra ..... lb. 1.80 • —
Methanil, conc ..... lb. .83 • —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls ..... lb. .45 • .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls ..... lb. 1.20 • 1.22
Chinese, spot, bbls. duty paid lb. .83 • .85
tanners, bbls ..... lb. .06½- .07
Elder flowers, bright, bls ..... lb. .40 • .50
Elecampane root, bls ..... lb. .22 • .25
Elm bark, grinding, bls ..... lb. .30 • .35
powd., bbls., bxs ..... lb. .40 • .45
select, bndls ..... lb. .55 • .60
Emetine hydrochloride, USP, bots. oz. 37.50 -40.00
Ephedra herb, bls ..... lb. .30 • .32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs. oz. .88 • —
hydrous, bots., 100 ozs ..... oz. .92 • —
Hydrochloride, tin, 100 ozs. oz. .75 • —
Sulphate, cryst., tins, 100 ozs. oz. .72 • —
powd., tins, 100 ozs. oz. .73 • —
Epichlorohydrin, dms., c.l., works lb. .36¾- —
l.c.l., works lb. .37½- —
tanks, works lb. .35 • —
Epinephrine, synth., USP, bots., 100 grams gram. .45 • —
Epsom salt, tech., bgs., c.l., works. 100 lbs. 2.15 • —
l.c.l., works 100 lbs. 2.90 • 3.15
USP, cryst., bgs., c.l., works. 100 lbs. 2.35 • —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 • —
smaller lots 100 lbs. 3.35 • —
Ergot, NF, dms., tin-lined ..... lb. 3.75 • 4.50
Eserine, bots. ..... oz. 45.00 -50.00
Salicylate, USP, bots ..... oz. 33.00 -34.00
Sulphate, bots ..... oz. 36.00 -37.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., works ..... lb. .32½- —
l.c.l., works ..... lb. .33 • —
tanks, works ..... lb. .31 • —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works. lb. 16½- —
l.c.l., same basis ..... lb. .17 • —
tanks, same basis ..... lb. .15 • —
Divinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.00 • —
75 cc, hospitals ..... bot. 1.56 • —
NF, dms., dlvd ..... lb. .25 • —
Ether, ethyl, absolute, ACS, dms lb. .30 • —
anesthesia, USP, hospital, cns. lb. .75 • .90
Industrial, USP, dms., c.l., dlvd. lb. .12 • —
l.c.l., same basis ..... lb. .14 • —
tanks, same basis ..... lb. .10 • —
synthetic, dms., incl., dlvd. East. lb. .12 • —
l.c.l., same basis ..... lb. .14 • —
tanks, same basis ..... lb. .10 • —
Isopropyl, dms., c.l., dlvd ..... lb. .06¼- —
l.c.l., dlvd. ..... lb. .07 • —
tanks, dlvd. ..... lb. .04½- —
Nitrous, conc., bots., 100 lbs. lb. 1.03 • 1.10
Ethyl acetate, natural, fermentation, 85-88% dms., c.l., frt. alld. lb. .11¾- .18¾
l.c.l., frt. alld ..... lb. .12¾- .19¾
tanks, frt. alld ..... lb. .10 • .17
95-98%, dms., c.l., frt. alld. lb. .12 • .19
l.c.l., frt. alld ..... lb. .13 • .20
tanks, frt. alld ..... lb. .10¼- .17¼
99%, dms., c.l., frt. alld lb. .12¼- .19¼
l.c.l., frt. alld ..... lb. .13¼- .20¼
tanks, frt. alld ..... lb. .10½- .17½
NF, dms., frt. alld ..... lb. .25 • —
synthetic, 85-90%, dms., c.l., frt. alld. lb. .11¾- —
l.c.l., frt. alld ..... lb. .12¾- —
tanks, frt. alld ..... lb. .10 • —
95-98%, c.l., frt. alld ..... lb. .12 • —
l.c.l., frt. alld ..... lb. .13 • —
tanks, frt. alld ..... lb. .10¼- —
99%, dms., c.l., frt. alld. lb. .12¼- —
l.c.l., frt. alld ..... lb. .13¼- —
tanks, frt. alld ..... lb. .10½- —
Acetoacetate, dms., c.l., dlvd lb. .47½- —
l.c.l., dlvd. ..... lb. .48½- —
tanks, dlvd. ..... lb. .46 • —
Acrylate, dms., c.l., and truckload, works lb. .49 • —
less than truckload, works lb. .49½- —
tanks, works ..... lb. .48 • —
Ethyl benzoate, dms. ..... lb. .70 • .75
Betaethoxypropionate dms. works lb. .70 • —
Bromide, tech., 98%, dms. ..... lb. .39 • .41
Butyrate, bots. ..... gal. 3.10 • 3.85
cns., works ..... lb. .62 • .80
dms., works ..... lb. .60 —
Carbamate (see Urethane).
Chloride, tech., dms., c.l., frt. alld. E. lb. .16 • .18
l.c.l., same basis ..... lb. .18 • .20
tanks, same basis ..... lb. .13½- —
USP, bbls., cyl ..... lb. .20 • .22
Cinnamate, cns. ..... lb. 2.25 • 2.50
Formate, dms ..... lb. .55 • .65
Iodide, bots., works ..... lb. 3.88 • 4.27
Lactate, dms., works ..... lb. .42¼- —
Methacrylate, dms., c.l. and truckload, works lb. .50 • —
less than truckload, works ..... lb. .50½- .60
Nitrite (see Ether, nitrous).
Oenanthate, dms ..... lb. .95 • 1.50
Oleate, dms., l.c.l., works ..... lb. .53 • —
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethylorthosilicate).
40% available SiO_2, dms., works. lb. .55 • —
Ethylalphanaphthylamine dms. lb. .38 • —
Ethylanilin, dms. ..... lb. .50 • —
Ethylbenzene, dms., c.l. ..... lb. .14 • —
l.c.l. ..... lb. .15 • —
tanks ..... lb. .13 • —
Ethylbutyl ketone, dms., c.l., works. lb. .31½- —
l.c.l., works ..... lb. .32 • —
tanks ..... lb. .30 • —
Ethylcellulose, 6lb dms. 5,000 lbs., works lb. .54 • —
smaller lots, works ..... lb. .56 • .64
Ethylene dichloride, dms. c.l., works, frt. alld E. of Rockies lb. .09½- .10¼
l.c.l., works, frt. alld E of Rockies lb. .10½- .11¼
tanks, frt. alld., E. Rockies lb. .08 • .09
Prices West of Rockies, 1c. per lb. higher.
Oxide, cyls., c.l., frt. alld ..... lb. .23¾- —
l.c.l., frt. alld ..... lb. .24¾- —
tanks, frt. alld ..... lb. .16¾- .17¾
Trichloride (see Trichloroethane)
Ethylenediamine, dms., c.l., works lb. .42 • —
l.c.l., works ..... lb. .42½- —
tanks, works ..... lb. .40 • —
Ethyleneglycol, dms., c.l., frt alld. E. lb. .16 • .17¼
l.c.l., same basis ..... lb. .17 • .18¼
tanks, same basis ..... lb. .14½- .15½
Diethylether, dms., l.c.l. works lb. .55 • —
Monobutylether, dms., c.l., works. lb. .20 • —
l.c.l., works ..... lb. .20½- —
tanks, works ..... lb. .18½- —
Monoethylether, dms., c.l., works. lb. .18 • —
l.c.l., works ..... lb. .18½- —
tanks, works ..... lb. .16½- —
Monoethylether acetate, dms., c.l., works. lb. .16 • —
l.c.l., works ..... lb. .16½- —
tanks, works ..... lb. .14½- —
Monomethylether, dms., c.l., works. lb. .19½- —
l.c.l., works ..... lb. .20 • —
tanks, works ..... lb. .18 • —
Monomethylether acetate, dms., c.l., works lb. .24½- —
l.c.l., works ..... lb. .25 • —
tanks, works ..... lb. .23 • —
Monostearate, dms. ..... lb. .33 • —
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss. lb. .33¾- —
l.c.l., same basis ..... lb. .34¾- —
tanks, same basis ..... lb. .32 • —
Ethylmorphine hydrochloride, USP, bots oz. 11.85 • —
Ethylorthotoluidine, bbls. ..... lb. .80 • —
Ethylvanillin, cns., 3 lbs. or more lb 6.75 • —
smaller lots ..... lb 6.80 • 6.90
Eucalyptol, USP, cns., dms ..... lb. 1.25 • 2.05
Eucalyptus leaves, bls ..... lb 10 14
Eugenol, pure, USP, cns ..... lb. 2.50 • 2.95
Euphorbia, pil., herb., bls ..... lb. .15 • .18

F

Feldspar enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton. 11.75 -12.50
Pottery, bgs., ton lots, works ton. 20.00 -22.00
bulk, c.l., works ..... ton. 18.00 -20.00
Fennel seed, Czech., dark, bgs. lb. .11½- .12
French, bgs. ..... lb. .12 • .12½
Indian, bgs. ..... lb. .12 • .12½
Fenugreek, domestic, bgs ..... lb. No stocks.
Indian, bgs ..... lb. .11 .11½
Moroccan, bgs ..... lb. .06½- .07
Syrian, bgs ..... lb. .07 • .07½
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11½- —
water-white, cs., works ..... lb. .13½- —
Fir balsam, Canada, cns ..... gal. 31.50 -32.50
Oregon, bbls. ..... gal. 2.35 • 2.60
Fishberries, bgs ..... lb. .20 • .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 135.00 • —
Fishscrap, dried 60% protein, bulk, Balto. area ton. 127.50 • —
Fleaseed (see Psyllium seed).
Fringetree bark, bls ..... lb. 42 • .45
Fluorspar, acid grade bgs., c.l., mines ton. 47.50 • —
l.c.l., mines ton. 49.50 • —
bulk, contract, c.l., mines ton. 42.00 • —
noncontract, c.l., mines ton. 45.00 • —
l.c.l. mines ton. 47.00 • —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net ton. 39.00 -41.00
powd. 90-92% ton. 41.00 —
foundry grade, lump, 55-60%. ton. 34.00 —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton. 35.00 -37.00
65% bulk c.l. mines ton. 34.00 -36.00
60% bulk c.l. mines ton. 33.00 -35.00
less than 60% bulk c.l. mines. ton. 32.00 -34.00
Formaldehyde, USP (uninhibited), dms., c.l. E works lb. .0570- —
l.c.l., E. works ..... lb. .0620- —
tanks, E. works ..... lb. .0370- —
methanol-free (uninhibited), tanks, works lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware; in states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines ton. 30.00 • —
Tex., mines ..... ton. 27.00 —
spent, bulk, Bayonne ..... ton 2.00 4.00
imported, bgs., c.l. ..... ton. 30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 • —
l.c.l., works ..... lb. .14 • —
tanks, works ..... lb. .09½- —

Jefferson

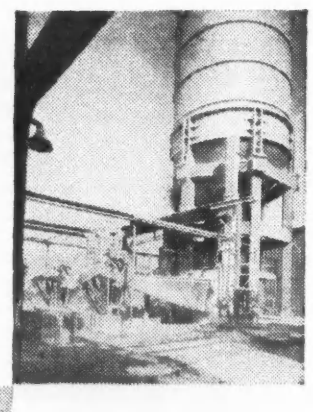
Diethylene Glycol

Excellent Quality For Many End Uses...

tobacco humectant
manufacture of resins
manufacture of plasticizers
printing inks
dehydrating agent for natural gas
textile softener
dyestuff solvent

Available East and West in Convenient Lots

from Port Neches, Texas, or Union, N. J.
in tank cars or 55 gallon drums.



Quicklime silo and lime slakers in ethylene oxide and glycol unit at Jefferson's Neches plant.

Jefferson Chemical Company, Inc.
711 FIFTH AVE., NEW YORK 22, N.Y.

ESSENTIAL CHEMICALS FROM HYDROCARBON SOURCES

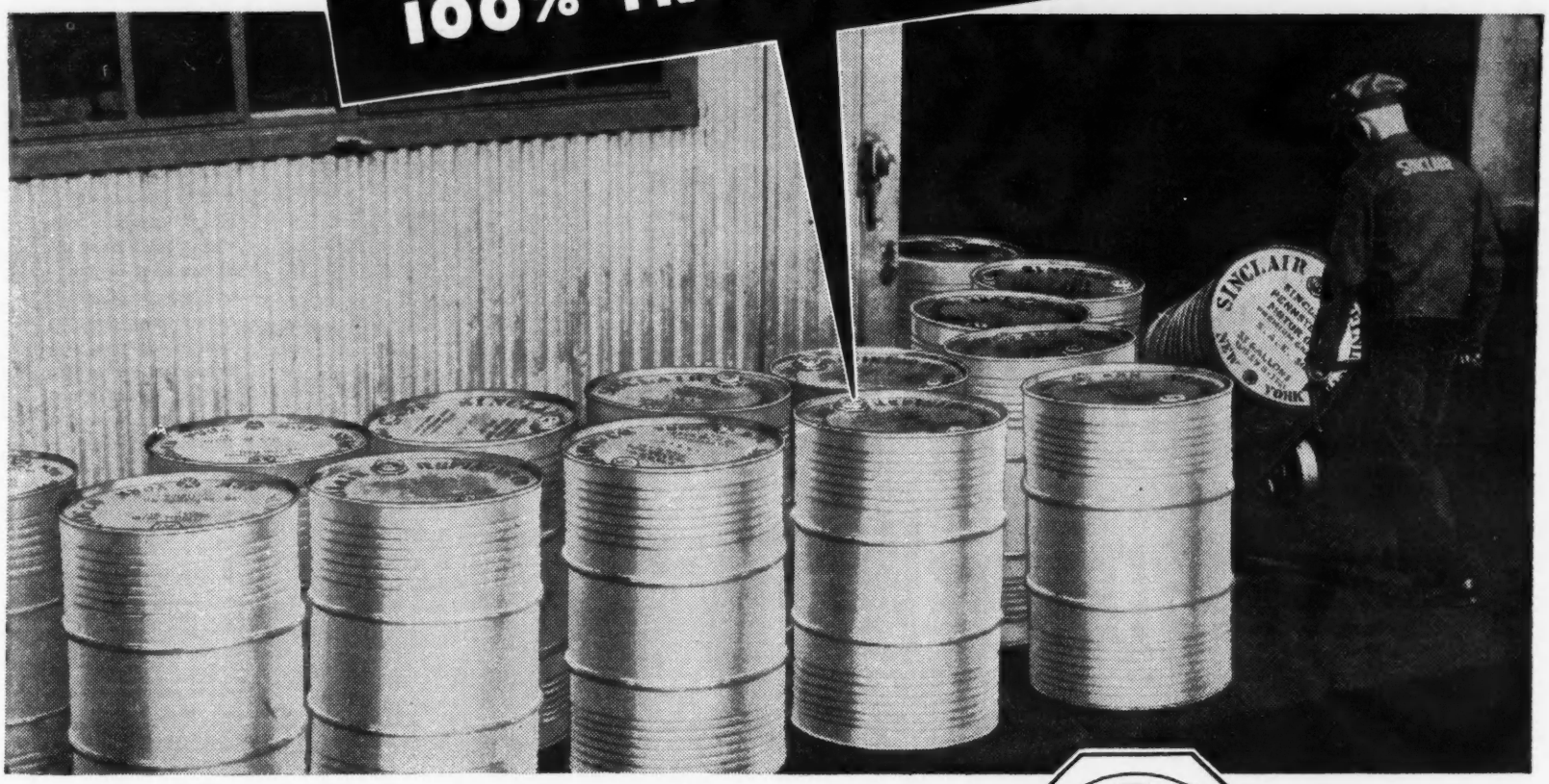
ETHYLENE OXIDE
DIETHYLENE GLYCOL
ETHYLENE DICHLORIDE
ETHYLENE GLYCOL

SINCLAIR'S

Improved Pennsylvania Motor Oil Plus

and other famous motor oils are

100% TRI-SURE PROTECTED



SINCLAIR—a name renowned for quality—is announcing an improved Sinclair Pennsylvania Motor Oil, which attains a new high in performance and quality.

To protect that quality—to preserve the purity and performance of every gallon of Pennsylvania Motor Oil Plus—Sinclair drums are equipped with Tri-Sure Closures*.

Since 1936, the Sinclair Refining Co. has standardized on Tri-Sure protection for all of its lubricating oils in drums—because its experience has confirmed its selection of Tri-Sure Closures as the *dependable* safeguard against leakage, seepage, pilferage and substitution.

Companies which insist that their packaging be worthy of their product make it standard policy to specify "Tri-Sure Closures". On *your* next drum order, take this simple, certain, proven way to provide the security that all fine petroleum and chemical products deserve.

Tri-Sure
Reg. U. S. Pat. Off.

CLOSURES

*The "Tri-Sure" Trademark is a mark of reliability backed by 28 years serving industry. It tells your customers that genuine Tri-Sure Flanges (inserted with genuine Tri-Sure dies), Plugs and Seals have been used.

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Fusel Oil—Gum, Ester

Fusel oil, refined, dms., c.l., dlvd	lb.	.23¼	—
l.c.l., dlvd	lb.	.24¾	—
tanks, dlvd	lb.	.22	—
Fustic extract, cryst., No. 1, bbls., l.c.l	lb.	.42½	—
No. 1A, bbls., l.c.l	lb.	.41½	—
No. 2, bbls., l.c.l	lb.	.40½	—
No. 3, bbls., l.c.l	lb.	.38½	—
liquid, No. 0, bbls., l.c.l	lb.	.22	—
No. 1, bbls., l.c.l	lb.	.20½	—
No. 2, bbls., l.c.l	lb.	.19½	—
No. 3, bbls., l.c.l	lb.	.17	—
solid, No. 1, bxs., l.c.l	lb.	.28	.40

G

G salt, bbls	lb.	.66	—
Galangal root, bls	lb.	.22	.25
Gambier, plantation, bgs., ex dock	lb.	No stocks.	
Extract, bbls		No stocks.	
Gammapicoline, 95%, dms., c.l., works	lb.	1.00	1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks	gal.	.105	—
Bayonne, 83 octane, tanks	gal.	.116	—
Gulf coast, 82 octane, tanks	gal.	.105	.11
Group 3, 82 octane, tanks	gal.	.10125	.10375
Pennsylvania, western, U. S., motor, 83 octane, tanks	gal.	.1275	—
natural, 26-70 octane group 3, tanks	gal.	.05125	—
Gelatin, silver tabl, imported, cs	lb.	1.15	—
Geisemium root, bls	lb.	.25	.30
Gentian root, bls	lb.	.13	.17
grd., bbls., bxs	lb.	.17	.18
powd., bbls., bxs	lb.	.18	.21
Geraniol, extra, cns., dms	lb.	2.60	3.00
prime	lb.	2.20	2.40
Geranyl acetate, cns	lb.	2.60	3.00
Ginger, oleoresin, NF, from African root, bots	lb.	7.75	9.50
from Jamaican root	lb.	10.50	-14.00
Root, African, bls	lb.	.45	.46
May-June shipment, bgs	lb.	.38	.39
Cochin, bleached, bgs., futures,	lb.	No stocks.	
unbleached, bgs	lb.	.52	.52½
Jamaica, No. 1, bgs	lb.	.63	.64
No. 2, bgs	lb.	.61	.62
No. 3, bgs	lb.	.57	Nom.
Rhattoon, bgs	lb.	.50	Nom.
Nigerian, split, bgs	lb.	.34	.35
Ginseng root, cs	lb.	12.00	-16.00
Glauber's salt, anhyd. (see Sodium sulphate).			
cryst., bgs., c.l., works 100 lbs.		1.60	—
l.c.l., bgs., works 100 lbs.		1.75	2.00
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest	lb.	.19½	—
65 jellygrams, bgs., c.l., same basis	lb.	.21	—
80 jellygrams, bgs., c.l., same basis	lb.	.22	—
110 jellygrams, bgs., c.l., same basis	lb.	.23	—
130 jellygrams, bgs., c.l., same basis	lb.	.24	—
Over 150 jellygrams, bgs., c.l., same basis	lb.	.25	—
Bone glue, l.c.l., 1c. per lb. higher than c.l.			
ground, 65 jellygrams, bgs., c.l. (30,000 lbs.), dlvd	lb.	.21½	—
l.c.l., same basis	lb.	.22½	—
Glue, hide, 100-121 (jellygrams), bgs., c.l., dlvd	lb.	.24	.27
122-149, bgs., c.l., dlvd	lb.	.25	.28
150-177, bgs., c.l., dlvd	lb.	.26	.29
178-206, bgs., c.l., dlvd	lb.	.27	.31
207-236, bgs., c.l., dlvd	lb.	.28	.32
237-266, bgs., c.l., dlvd	lb.	.29	.33
267-296, bgs., c.l., dlvd	lb.	.30	.34
299-330, bgs., c.l., dlvd	lb.	.31	.35
331-362, bgs., c.l., dlvd	lb.	.32	.35
363-394, bgs., c.l., dlvd	lb.	.33	.36
395-427, bgs., c.l., dlvd	lb.	.34	.37
428-460, bgs., c.l., dlvd	lb.	.35	.38½
461-494, bgs., c.l., dlvd	lb.	.36	.40
495-529, bgs., c.l., dlvd	lb.	.37	.41

Hide glue, l.c.l., prices 1c. higher than c.l., bbls. ½c. more than bgs.

Glycerin, crude, saponification 88%, to refiners, tanks, dlvd	lb.	No prices.	
soaplye, 80%, tanks, dlvd	lb.	No prices.	
dynamite, dms., c.l., dlvd	lb.	.29	—
l.c.l., dlvd	lb.	.29½	—
tanks, dlvd	lb.	.28½	—
high gravity, dms., c.l., dlvd	lb.	.29¼	—
l.c.l., dlvd	lb.	.29¾	—
tanks, dlvd	lb.	.28¾	—
refined, BP, 98%, dms., c.l., dlvd,	lb.	.30½	—
l.c.l., dlvd	lb.	.31	—
tanks, dlvd	lb.	.30	—
USP, c.p., 95% dms., c.l., dlvd,	lb.	.29¾	—
l.c.l., dlvd	lb.	.30¼	—
tanks, dlvd	lb.	.29¼	—
yellow, distilled, dms., c.l., dlvd	lb.	.29½	—
l.c.l., dlvd	lb.	.30⅛	—
tanks, dlvd	lb.	.28⅛	—
Glycine USP (see Acid, aminoacetic).			
Glyoxal, 30%, dms., c.l., works	lb.	.18½	—
l.c.l., works	lb.	.19	—
tanks, works	lb.	.18	—
Gold chloride, acid-brown, bots	oz.	22.50	-23.00
acid-yellow, bots	oz.	20.50	—
Gold of pleasure seed, bgs	lb.	.40	.41
Goldenseal root, bls	lb.	3.25	3.50
powd., bxs	lb.	3.75	4.00
Gold-sodium chloride, photo, bots.	oz.	13.00	-14.00
USP IX, bots	oz.	14.50	-15.50
Grains of paradise, bgs	lb.	.45	.46
Graphite, imported, amorph, powd., bgs., dlvd	lb.	No prices.	
crystalline, 88-90%, powd., bgs., ex whse	lb.	No prices.	
90-92%, powd., bgs., ex whse.	lb.	No prices.	
97%, powd., bgs., ex whse	lb.	No prices.	
flake, No. 1 90-95%, ngs., etns., ex whse	lb.	No prices.	
No. 2, whse	lb.	No prices.	
Grease, house, loose, dlvd	lb.	.06	—
White, choice, loose	lb.	.08	—
Wool (see Degras and Lanolin).			
Yellow, loose	lb.	.06¼	—
Green, brilliant, thioflavin, toner, molybdic, kgs., works	lb.	4.25	4.50
Tungstic, kgs., works	lb.	4.25	4.50
16-20% bbls., same basis	lb.	.38½	—
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.32	—
6-10%, bbls., same basis	lb.	.33	—
11-15%, bbls., same basis	lb.	.34	—
16-20%, bbls., same basis	lb.	.34½	—
21-25%, bbls., same basis	lb.	.35¼	—
26-30%, bbls., same basis	lb.	.35¾	—
31-35%, bbls., same basis	lb.	.36¾	—
36-40%, bbls., same basis	lb.	.38½	—
41-45%, bbls., same basis	lb.	.40	—
46-50%, bbls., same basis	lb.	.22¼	—
50% and over, bbls., same basis	lb.	.42¾	—
reduced color, 5%, bbls., same basis	lb.	.12½	—
6-10%, bbls., same basis	lb.	.13¼	—
11-13%, bbls., same basis	lb.	.13¾	—
14-16%, bbls., same basis	lb.	.14½	—
17-19%, bbls., same basis	lb.	.14¾	—
20-21%, bbls., same basis	lb.	.15	—
22-23%, bbls., same basis	lb.	.15¼	—
24-25%, bbls., same basis	lb.	.15¼	—
26-27%, bbls., same basis	lb.	.15¾	—
28-29%, bbls., same basis	lb.	.16¼	—
30-31%, bbls., same basis	lb.	.17¼	—
32-33%, bbls., same basis	lb.	.18½	—
34-35%, bbls., same basis	lb.	.19½	—
36-40%, bbls., same basis	lb.	.41¾	—
41-45%, bbls., same basis	lb.	.24½	—
46-50%, bbls., same basis	lb.	.26	—
51-55%, bbls., same basis	lb.	.25¾	—
56-60%, bbls., same basis	lb.	.26¼	—
61-65%, bbls., same basis	lb.	.27¼	—
66-70%, bbls., same basis	lb.	.28½	—

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works	lb.	.75	1.00
pure bgs. frt. alld	lb.	.33	.40
Dyes (see Dyes, coaltar).			
Malachite, thioflavin toner, molybdic, bbls., works	lb.	3.00	—
tungstic, bbls., works	lb.	3.40	—
Paris (see P).			
Phthalocyanin toner, bbls., works,	lb.	4.40	5.00
Tungstated, brilliant, kgs	lb.	3.00	4.00
Emerald kgs	lb.	2.60	—
Grindelia robusta herb, bls	lb.	.24	.30
Guaiac resin, NF, cs	lb.	.60	.65
ordinary, cs	lb.	.49	.51
Wood, bls	lb.	.35	.36
Guaiacol, cryst., tins	lb.	No prices.	
Liquid, NF, bots., cbys	lb.	1.90	1.95
Carbonate, dms	lb.	2.95	3.00
Guarana, powd., cs	lb.	1.50	1.75
Gum, accroides (see Gum, yacca).			
Aloe (see A.).			
Ammoniac, tears, cs	lb.	.80	.95
Arabic, amber, sorts, bgs	lb.	.12	.13¼
powdered, USP, bbls	lb.	.20½	.21
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Sumatra, cs	lb.	.50	.70
Camphor (see C).			
Copal, Congo, No. 1, bgs	lb.	.25	.26
No. 2, bgs	lb.	.20	.21
No. 3, bgs	lb.	.17	.18
Manila, loba, B, bgs	lb.	No prices.	
C, bgs	lb.	.26	.27
CBB, bgs	lb.	.23	.24
CNE, bgs	lb.	No prices.	
DBB, bgs	lb.	.22	.23
DK, bgs	lb.	.13	.14
dust, bgs	lb.	No prices.	
soft, MA, bgs	lb.	.15	.16
WS, bgs	lb.	No prices.	
Philippine, pale, chips, bgs	lb.	.21	.22
nubs, bgs	lb.	.24	.25
seeds, bgs	lb.	.15	.16
sorts, bgs	lb.	.17	.18
Pontianak, chips, bgs	lb.	.14	.16
nubs, bgs	lb.	.25	.27
Dammar, Batavia, A/D, bgs	lb.	.28	.30
A/E, bgs	lb.	.23	.24
dust, bgs	lb.	.12	.13
E, bgs	lb.	.12½	.13¼
East India, batu, bold, bgs	lb.	.09	.10
nubs and chips, bgs	lb.	.06	.07
black, bold, bgs	lb.	.11	.12
unscraped, bgs	lb.	.09	.10
nubs and chips, bgs	lb.	.09	.10
pale, chips, bgs	lb.	.11	.13
nubs, bgs	lb.	.20	.22
Singapore, No. 1, bgs	lb.	.28	.30
No. 2, bgs	lb.	.20	.21
No. 3, bgs	lb.	No prices.	
dust, bgs	lb.	.09	.10
seeds, bgs	lb.	.12½	.13¼
Elemi, cns	lb.	.22	.23
Ester, gum-rosin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va	lb.	.12	.12¼
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc	lb.	.12	.12¼

and NEW
convenient form . . . a 50% solution
now available in tank car quantities . . .

● Increased production—using improved methods—has made possible new low prices on Mathieson Sodium Chlorite. And, with the new, easily handled 50% solution, it is now economically feasible to use this powerful and unique oxidizing agent in many more processes.

Sodium Chlorite, by releasing chlorine dioxide, bleaches cellulosic fibers without causing degradation. Consequently, wood pulp and textiles can be made whiter with greater tensile strength retention than with any other known processing agent.

Stable, non-hygroscopic, water-soluble Mathieson Sodium Chlorite is available for industrial use as a dry, straw-colored crystalline powder packed in 100 lb. drums. The new form—a 50% aqueous solution—is available in tank car quantities. Write today for complete information, samples and prices. Mathieson Chemical Corporation, Mathieson Building, Baltimore 3, Maryland.

For Diversity, Capacity and Flexibility, rely on Mathieson for these basic heavy chemicals:

Sulphuric Acid	Ammonium Sulphate
Precessed Sulphur	Nitrate of Soda
Soda Ash	Chlorine
Caustic Soda	Calcium Hypochlorite
Bicarbonate of Soda	Sodium Chlorite
Ammonia	Chlorine Dioxide

Mathieson CHEMICALS

9374

SERVING INDUSTRY, AGRICULTURE AND PUBLIC HEALTH

Gum, euphorbium, cs. lb. .35 - .40
Galbanum cs. lb. .75 - .80
Gamboge, pipe, cs. lb. 1.00 - 1.05
powd., bbls. lb. 1.15 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs. lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .49 - .54
No. 2 lb. .45 - .46
No. 3 lb. .34 - .35
Kauri, bgs. lb. .31½ - .32¾
Locust bean, powd., bgs. lb. .32 - .34
Mastic, cs. lb. 2.25 - 2.50
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs. lb. .12 - .13
tears, cs. lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb 1.95 - 2.25
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs. lb. .10 - .11
Tragacanth, No. 1, cs. lb. 3.25 - 3.50
No. 2, cs. lb. 2.30 - 2.55
No. 3, cs. lb. 2.00 - 2.25
powdered, USP, bbls. lb. 1.50 - 1.55
Yacca, bgs. lb. .05½ - .06½
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 • —
Harlem river, N. Y., frt. equald ton.28.25 • —
Medicine Lodge, Kan., frt. equald ton.17.00 • —
New Brighton, N. Y., frt. equald ton.30.65 • —
Southard, Okla., frt. equald. ton.17.00 • —
Sweetwater, Tex., frt equald ton.21.45 • —
Plaster of paris, Acme, Texas, frt. equald ton.12.50 • —
Blue Rapids, Kans., frt equald ton.10.50 • —
Harlem river, N. Y., frt. equald ton.12.00 • —
Medicine Lodge, Kan., frt. equald ton.12.50 • —
New Brighton, N. Y., frt equald ton.16.00 • —
Saltville, Va., frt. equald. ton. 9.00 • —
Southard, Okla., frt. equald. ton.12.50 • —
Sweetwater, Tex., frt. equald ton.12.50 • —
Stucco, paper bgs., Akron, N. Y., frt equald ton. 8.00 • —
Blue Rapids, Kans., frt. equald ton. 8.00 • —
Clarence Center, N. Y., frt. equald ton 8.00 • —
Fort Dodge, Iowa, frt. equald ton 8.00 • —
Gypsum, Ohio, frt. equald. ton. 8.00 • —
Grand Rapids, Mich., frt. equald ton. 8.00 • —
Harlem river, N. Y., frt. equald ton. 8.00 • —
National City, Mich., frt. equald ton 8.00 • —
New Brighton, N. Y., frt. equald ton 8.00 • —
Plasterco, Ga., frt. equald. ton. 8.00 • —
Portsmouth, N. H., frt. equald ton 8.00 • —
Roton, Texas, frt. equald. ton. 8.00 • —
Saltville, Va., frt. equald.ton. 9.00 • —
Southard, Okla., frt. equald. ton. 8.00 • —
Sweetwater Texas, frt equald ton 8.00 • —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 • —
New Brighton, N. Y., works ton.21.00 • —

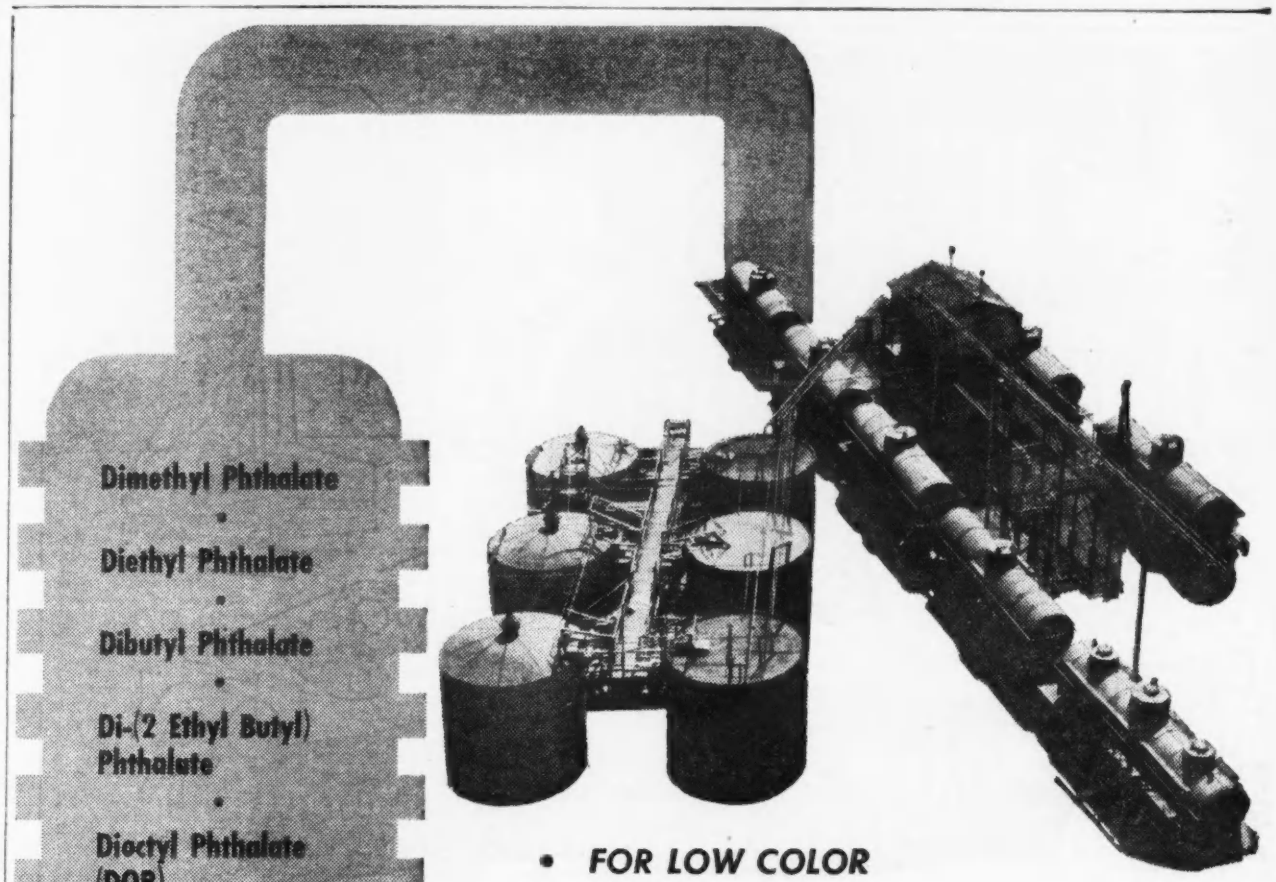
H

Hawthorn berries, bgs lb. .39 - .45
Heliotropin, cryst., cns lb. 3.00 - 3.25
Hellebore root, dom., green, bls lb. .55 - .60
imp., black whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 - .32
white, whole, bls. lb. .30 - .40
powder bxs lb. .35 - .45
Helonias root, bls lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½ - —
No. 1, obls., l.c.l. lb. .44½ - —
No. 1A, bbls., l.c.l. lb. .41½ - —
No. 2, obls., l.c.l. lb. .40½ - —
No. 3, obls., l.c.l. lb. .38½ - —
No. 4, obls., l.c.l. lb. .36½ - —
No. 5, obls., l.c.l. lb .34½ - —
paste, No. 1, bbls., l.c.l. lb. .19 • —
No. 2, obls., l.c.l. lb. .18 • —
No. 3, obls., l.c.l. lb. .17 • —
No. 4, (red) bbls., l.c.l. lb. .12½ - —
Hemlock bark extract, 25% tannin, obls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls. lb. .30 - .35
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs. lb. .27 - .29
Heptane, industrial Bayonne, N. J., tanks gal. .16½ - —
group 3 tanks gal. 12½ .13½
Hesperidin methylchalcone, works. lb.50.00 • —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs. c.l., Perth Amboy or N.Y.C. lb. .22 • —
l.c.l., same basis lb. .22½ - —
bbls., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½ - —
USP, dms., 500 lbs. or more, same basis lb. .38½ - —
smaller lots same basis lb. .39½ - —
Hexamine (see Hexamethylene tetramine)
Hexane, industrial group 3, tanks, gal. .13½ - .14½
Bayonne, N. J., tanks gal. .16½ - —
Hexanol, normal, dms., c.l., works lb. .31½ - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14¼ - —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .12½ - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb.17.00 - —
works lb.15.00 -17.00
smaller lots, frt. alld lb.18.00 - —
works lb.18.00 -20.00
Histamine diphosphate, USP, bots kilo.375.00 - —
Histidine hydrochloride—laevo, NF, fib dms, 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots oz.15.00 -16.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, NF oz 13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago, unit-ton. 8.00 • —

Hops, NF, bls. lb .40 - .45
Horehound, herb, bls lb. .17 - .18
Hydrangea root, bls. lb .14 - .17
Hydrastine, bots. oz.31.00 -37.00
Hydrochloride, NF oz.29.50 -36.00
Sulphate, bots oz.35.00 -37.00
Hydrastinine, 10-grain bots. bot. 1.95 • —
Hydrastis (see Goldenseal).
Hydrofuramide, dms, fib cans, works lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾ - .05
27½%, cbys., E. of Miss. lb. .17½ - .19½
35%, cbys., same basis lb. .23½ - .25½
dms., c.l. same basis lb. .20½ - —
l.c.l., same basis lb. .21 - .23½
tanks lb .19¾ - —
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, bbls., dms lb. .90 • —
tech., dms. lb. .70 • —
Hydrovycitronellal, cns. lb. 7.30 - 8.05
Hyoscine salts (see Scopolamine)
Hyoscyamine, bots. oz.15.75 -16.00
Hydrobromide, bots. lb.16.50 -18.00
Sulphate, bots oz.13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 • —
No. 2, bbls., l.c.l lb. .48 • —
liquid, No. 1, bbls., l.c.l. lb. .30 • —
No. 2, bbls., l.c.l lb. .23 • —
solid, No. 1, bxs., l.c.l. lb .44 • —
Hyssop herb, bgs. lb. .35 - .45
Leaves, bgs. lb. .45 - .50

I

Iceland moss, bgs lb. .35 - .40
Ichthammol, NF, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.18
synth., paste, bots lb .23 - —
powd., bbls. lb 1.03 - —
Indol, CP bots lb.17.00 -19.00
Inositol, dms., dlvd lb 4.90 - —
tins, dlvd lb. 5.00 • —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.52 - —
resubl., USP., bots., jars lb. 2.30 - 2.41
Iodochlorohydroxyquinolin NF, dms lb 5.90 - —
Iodoform, NF, dms., kgs lb 4.45 - 4.60
Ionone, alpha, cns lb. 6.75 -13.65
beta, cns. lb. 8.65 -16.00
Ipecac root, bgs lb. 4.75 - 5.00
powd., bgs. lb. 5.50 - 6.00
Irish moss bleached, prime bls lb .16 - .18
Iron acetate, liquor, 28° bbls., c.l., works lb .09 - —
l.c.l., works lb. .09¾ - —
solut., USP IX, cbys. lb .16 - —
dms. lb. .17 - —
Cacodylate, NF, bots lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works, 100 lbs 5.75 — —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works 100 lbs 5.00 6.00
t.c.l. bbls. works 100 lbs 5.50 6.00
USP, dms., works lb. .07 - .08½
solut., 42° Be, 100% basis, tanks, works 100 lbs 3.45 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF, dms lb. .83 - .93
Glycerophosphate, N.F., powd lb 4.25 - 4.55
Hypophosphite, NF, dms lb 2.80 - —
Iodide, bgs lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼ - .21¾
Iron oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. 69 - .72
Reduced (see Iron by hydrogen)
Resinate, 7.4% Fe, dms, frt alld. lb .23 - —
Stearate, dms., c.l. lb .34 - —
ton lots lb 35 - —
less ton lots lb 36 - —
Sulphate, partially hydrated, bgs., c.l., works ton.28.50 - —
l.c.l., works ton.29.50 - —
ferrous, tech (see Copperas)
USP, cryst, bbls, dms lb .09½ - .10
Iron by hydrogen, kgs lb .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb .55 - .58
brown, USP, gran., dms lb .55 - .58
Oxalate, dms lb .25½ - .28½
Iron-potassium oxalate, fine gran., dms. lb .30½ - .33½
Iron-sodium oxalate, fine gran., dms lb. .25½ - .28½
Isoborneol, cns. lb. .84 - .95
Isobornyl acetate, cns lb. .77 - .97
Isobutyl acetate, cns lb. .72 - 1.25
Methacrylate, dms., works lb .60 - —
Propionate, cns lb No prices.
Isobutyraldehyde, dms., works lb .50 .53
Isoeugenol, cns lb. 3.50 - 3.70
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb 20.00 -35.00
Isopentane, dms, works lb 45 - .55
Isophorone, dms., c.l., works lb. .22½ - —
l.c.l., works lb. .23 - —
tanks, works lb. .21 • —



- FOR LOW COLOR
- FOR STABILITY
- FOR DEPENDABLE PERFORMANCE

Eastman Plasticizers

We will be pleased to send you copies of our bulletin, "PLASTICIZERS," containing specifications, properties, and typical uses of all EASTMAN Plasticizers.

TENNESSEE EASTMAN CORPORATION
Subsidiary of Eastman Kodak Company
KINGSPORT, TENNESSEE

SALES REPRESENTATIVES: New York—10 E. 40 St.; Cleveland—Terminal Tower Bldg.; Chicago—360 N. Michigan Ave. West Coast: Wilson & Geo. Meyer & Co., San Francisco—333 Montgomery St.; Los Angeles—4800 District Blvd.; Portland—520 S.W. Sixth Ave.; Seattle—1020 Fourth Ave., So.

Isopropanol—Logwood Extract

Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene)
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisoproylamine).
Isoquinoline, dms., c.l., works lb. 20 - —
l.c.l., works lb. 40 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .43 - .45
powd., bbls., bxs lb. .48 - .50
Resin, NF, powd., bxs lb 6.20 6.60
Juniper berries, bgs lb. .10 - .15
Tar, dms. lb. .40 - .65

K

Kamala, powd., cns lb. .70 - .80
Kaolin (see China clay).
Kava kava root, bls lb. 25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w w., tanks gal. .08625- —
Bayonne, 41-43 s.g., w w., tanks, gal. .092 - —
California, 40-43 s.g., w w., tanks gal. .121 - .126
Gulf ports, 41-43 s.g., w.w., tanks gal. .086 - .0925
Okla.-Tex., 41-43, s.g., w w. tanks, gal. .085 - .09
Kerosene, at refinery, Penn., Western, 45 s.g., w.w., tanks gal. .0975- .10
Kola nuts, bgs lb. 08 - .10
Kyanite, imp., low iron content, 10-mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady slipper root, bls. lb. 1.45 - 1.50
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, tres., Chicago lb. .14⅞Nom.
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bls lb. .25 - .26
Leaves, Greek, bls lb. .08 - .08½
Turkish, bls. lb. .11 - .11½
Yugoslavian, bls. lb. .08½- .09
Lauryl chloride, dms., works, frt. equald lb. .711 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls. lb. .16 - .20
select, bls lb 60 - .65
Lead acetate, white, crystals, bbls., lb. .20 - —
gran., bbls lb. .21 - —
powd., bbls lb. .21 - —
USP, cryst., dms lb. .21¾- —
gran., powd., dms lb. .21¾- —
Lead arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .25 - —
l.c.l., frt. alld lb. .26 - .27
1-lb. bgs., c.l., frt. alld lb. .37½- —
l.c.l., frt. alld lb. .38½- .39½
Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld lb. .12½- —
l.c.l., works lb. .13½- —
Carbonate (see Lead, white).
Chloride, dms. lb. .39 - —
Iodide, NF V, jars lb. 3.30 - —
Linoleate, liq., 13% Pb, dms., frt. alld lb. .29¼- —
Metal, pigs, prime, N. Y. lb. .1200- —
St. Louis lb. .1180- —
Metallic paste, dms., 20,600-40,000 lbs., works lb. .27½- —
10,000-20,000 lbs., same basis lb. .28 - —
2,000-10,000 lbs., same basis lb. .28½- —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .15 - —
24% Pb, dms., dlvd lb. .20¼- —
37% Pb, dms., dlvd lb. .26½- —
Nitrate, bbls., c.l. lb. .19 - —
l.c.l. lb. .19¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .38 - .39
Phthalate, dibasic, dms., works. lb. .37½- —
Lead, red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Resinate, precip., dms., dlvd lb. .25½- —
Salicylate, normal, dms., works. lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .14¾- —
Stearate, dibasic, dms., works lb. .50¼- —
precip., obls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate)
tribasic, dms., works lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .12½- —
solid, 30% Pb, dms lb. .19¼- —
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., same basis lb. .15¾- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .13¾- .16¼
l.c.l., same basis lb. .14¾- .17¼
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¼- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .15½- —
l.c.l., same basis lb. .16½- —
unbleached, c.l., same basis lb. .14½- —
l.c.l., same basis lb. .15½- —
Lemon peel, bls lb. .18 - .20
Leucine, dextro-laevo, dms., works lb.26.00 -35.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls. lb. .55 - —
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06¼
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton.10 50 - —
Bellefonte, Pa. ton.10.50 - —
Buffalo N Y. ton.10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa. ton.10.50 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio. ton. 8.50 - —
Hannibal, Mo ton. 7.50 - —
Keystone, Ala ton 9.75 - —
Knoxville, Tenn. ton. 9.75 - —
Limedale, Ark. ton. 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W Va ton.10.00 - —
Menominee, Mich ton. 8.00 - —
Mitchell, Ind. ton. 7.50 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 7.50 - —
Sherwood, Tenn. ton.10.00 - —
Sherwood, Wis. ton 8.50 - —
Woodville, Ohio. ton. 9.50 - —
York, Pa ton.10.50 - —
Hydrated, paper bgs., Adams, Mass ton.11.50 - —
Annville, Pa ton 13.50 - —
Bellefonte, Pa. ton.13.50 - —
Buffalo, N. Y. ton.13.50 - —
Carey, Ohio ton 9.00 - —
Cedar Hollow, Pa. ton.13.50 - —
Engle, W Va. ton.13.00 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio. ton 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala ton.13.00 - —
Knoxville, Tenn. ton.12 25 - —
Limedale, Ark ton.10.50 - —
Longview Ala. ton.13.00 - —
Manistique Mich ton 9 50 - —
Marblehead, Ohio. ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Petoskey, Mich ton 10.00 - —
Port Island, Mich ton. 9.00 - —
Rapid City, S. Dak. ton.12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 9.00 - —
Sherwood, Tenn. ton.13.00 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton 9.00 - —
Woodyville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa ton.13 50 - —
Bellefonte, Pa. ton 13.50 - —
Carey, Ohio ton.11.00 - —
Engle, W Va ton.13.00 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.10.00 - —
York, Pa ton.13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton 3.50 4.00
Linalool, ex bois de rose lb. 5.45 - 5.90
ex lignaloe wood lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots lb. 5.50 - 6.00
96-98%, bots. lb. 6.35 - 7.25
ex petitgrain, bots lb. 4.25 - 6.00
Lindane, 25%, cns., works lb. 3.00 - 3.05
dms., works. lb. 2.95 - —
Linden flowers with leaves, bls. lb. .22 - .25
without leaves, bls lb. .22 - .28
Linseed meal, expeller, 34% bulk, Midwest mills ton.67.50 - —
extracted, 34%, same basis ton.67.50 - —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .13¾- —
l.c.l., same basis lb. .14¾- —
Lithium benzoate, dms lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 2.00 - 2.25
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .93 - —
Citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, dms., works lb.14.00 -18.50
Hydroxide, monohydrate, dms. lb. .90 - 1.25
Salicylate, dms lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd, lb. .06½- —
l.c.l., dlvd. lb. .07¼- .07¼
Titanated (high-strength), bgs., c.l., dlvd lb. .08½- —
l.c.l., dlvd. lb. .09½- —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .70 - 75
Lobelia herb, bls lb. .80 - .85
leaves, NF lb. .85 - 90
Lobeline sulphate, bots., works oz.34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49¼

North, South, East, West—across the nation from Atlantic to Pacific, Canadian border to Mexican—Metasap Stearates are rendering valuable service to industry in a variety of fields. For instance:

Paint Manufacturers find Metasap Aluminum and Zinc Stearates, with their wide range of gelling properties, the ideal answer to pigment suspension problems. They find these stearates ideal, also, for increasing the viscosity of vehicles—in order to impart body to flat paints whose pigment content cannot be raised; and for making primers and sanding sealers with excellent filling qualities.

Lacquer and Varnish Manufacturers find Metasap Aluminum and Zinc Stearates give exceptionally good flatting results.

Lubricant Manufacturers using Metasap Stearates find they can produce the *right* grease for *any* grease job—anhydrous greases of high stability that do not freeze, dissolve or evaporate, but assure efficient lubrication under the most exacting conditions.

Plastics Manufacturers find Metasap Calcium and Zinc Stearates, added to molding compounds, afford superior internal lubrication that results in improved preforms and finished products—plus increased output.

In the Rubber Industry, Metasap Zinc Stearate, applied to uncured and processed rubber stock, prevents sticking—and is an excellent mold lubricant.

In Textiles, Metasap Stearates provide water repellency for all types of fabrics.

In the Construction Field, Metasap Calcium Stearate aids in grinding, plasticizing and waterproofing materials such as mortar and concrete.

All the outstanding services performed by Metasap Stearates, and other Metasap Metallic Soaps, cannot be enumerated here. But read about them in our free 32-page book: METALLIC SOAPS FOR RESEARCH AND INDUSTRY. A copy is reserved for you. Send for it today.

METASAP CHEMICAL COMPANY, DEPARTMENT 9, HARRISON, N. J.
BRANCHES: BOSTON • CHICAGO • CEDARTOWN, GA. • RICHMOND, CALIF.
Stocks at Cleveland and Akron, Ohio; Los Angeles and San Francisco, Calif.; Louisville, Kentucky

METASAP CHEMICAL COMPANY

Stearates
of Calcium • Aluminum • Lead • Magnesium • Zinc

Lovage root, imported, bls.....lb. 1.00 - 1.10
Lupulin, tins ..... lb 1.95 2.00
Lycopodium, cs. .....lb. 1.30 - 1.50
Lysine hydrochloride, dextro-laevo. kilo.145.00 -149.00

M

Mace, Amboyna, bls.....lb. No prices.
Banda, No. 1, bls.....lb. No prices.
Siauw, No. 1, bls.....lb. 1.35 - 1.45
West Indian, bls.....lb. 1.25 - 1.30
broken, bls.....lb. 1.20 - 1.25
Madder Dutch, bgs.....lb .29 .32
Magnesia, calcined, tech., ctns., works lb. .32 —
synth., rubber grade, ctns., works lb. .29 .31
USP, light ctns. ... lb. .34 —
heavy, bbls ... lb. .36 —
Magnesium arsenate, bgs., cans, works lb. .20 .30
Bromide, jars lb. .90 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 —
t.c.l., frt. alld lb. .10 —
bbls., c.l., frt. equald..... lb. .10¼- —
l.c.l., frt. alld .... lb. .11¼- —
kgs., c.l., frt. equald lb .11½- —
l.c.l. frt alld lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
t.c.l. frt alld lb .11¾ —
bbls., c.l., frt. equald.....lb. .11¼- —
t.c.l. frt alld lb .12¼ —
kgs., c.l., frt. equald .... lb. .12½- —
t.c.l. frt alld lb 13½ —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county Pa Frt. equald. with N Y C on all other destinations.
Chloride, anhyd., dms., works lb. .12¼- —
flake, bbls., c.l., works..... ton.45.00 - —
l.c.l., works.....ton.49.00 -51.00
Gluconate, dms., cns ..... lb. 1.88 - 1.93
Glycerophosphate dms works.lb 4.85 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite dms lb. 1.60 —
Laurate, bbls ..... lb. .46 - .47
Metal, 99.8% ingots, cs., works.lb. .22¼- —
sticks, cs., works, frt. alld. on c.l. basis lb. .39 - —
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc)
Silicofluoride bbls., works lb. .09 - .10
Stearate, ctns., c.l lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP dms 1,000-lb. lots lb. 45 - —
100-lb. lots lb. 50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton.67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash ton.33.00 - —
Maleic anhydride, dms., c.l., dlvd., lb. .30 - —
t.c.l., dlvd. lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher
Malva flowers, black, bls lb. 1.00 - 1.25
Blue, bls. lb .95 1.10
Leaves, bls. .....lb. .30 - .35
Mandrake root, bls.....lb. .40 - .43
Manganese acetate, bbls. .....lb .32 —
Arsenate, bgs .....lb. .12 - .12½
Borate, tech., bbls ..... lb .23 - —
Carbonate, bbls., works ..... lb. .21 - —
Chloride, anhyd., dms works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works ton.78.00 - —
smaller lots, works..ton.84.00 -94.00
Gluconate, dms., cns .lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.60
Hydrate, bbls., works lb. .34 - —
Hypophosphite, NF dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn. dms. lb. .39¼- —
solid, precip., 8.2% Mn. bbls., lb. .41½- —
Metal, cs., dlvd. East..... lb. .30 - .32
Naphthenate, liquid 6% Mn, dms., frt. alld lb. .22¾ - .23¼
Oleate, precip. bbls lb. .33¼- —
Resinate, fused, 3½% Mn, dms. precip., dms lb. .21½- —
Stearate, ctns., c.l ... lb. .35 - —
smaller lots lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton.66.00 - —
l.c.l., dlvd. S. E ton.73.00 - —
feed grade, 80%, bgs., dlvd., S. E lb. .05¼- .07
75%, bgs., c.l., dlvd. S. E .ton.76.00 - —
l.c.l., dlvd. S. E ....ton.83.00 - —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn. dms lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock..ton.60.00 -61.00
Manna, flake, large, cs lb. 1.10 - 1.35
small, cs ... lb. .85 - 1.00
Mannitol, com'l, dms., works....lb 40 - 43
reagent, 50-lb dms., works....lb .85 —
Marjoram, Argentine, bls .....lb. .14 Nom.
Bohemian, bls. .....lb. .34 - .34½
Chilean, bls. .....lb. .34 - .34½
French, bls., afloat.....lb. .45 - .46
Peruvian, bls.....lb. .40 - .41
Matico leaves, bls lb. .25 - .33
Melamine, bgs. ton lots, works. lb. .33 - —
500 lbs. or more, works lb. .33½- —
less 500 lbs., works lb. .38½- —
Menadione, USP, bots gram. .06½- —
Menthol, natural, USP, bots.....lb.12.65 -12.75
synthetic, USP, racemic, cns. lb 7.25 Nom.
Menthyl salicylate tins lb. 4.00 - 4.25
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide bgs., fib. dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. lb. 2.13 - 2.15
Chloride (see Calomel)
Cyanide, NF, crys., powd., fib. dms lb. 3.27 - 3.32
Iodide, red, NF, dms lb 4.07 - —
yellow, NF, fib. dms lb. 4.22 - —
Metal (see Quicksilver)
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide)
USP, fib dms. lb 2.44 2.46
Mesityl oxide, dms., c.l., dlvd..lb. .13¼- —
l.c.l., dlvd. .....lb. .14 - —
tanks, dlvd lb. .11½- —
Metaldehyde, dms., works lb. .78 1.00
Metachloranilin, dms. works lb .75 —
Metacresol, 98%, dms., c.l., works.lb. .55 - —
l.c.l., works lb. .56 - —
Metaparaisopropylphenol, dms., c.l. lb .21 - —
t.c.l. .... lb .22 - —
tanks .... lb .20 —
Metanitroparatoluidin, bbls.....lb. 1.28 - 1.44
Metaphenylenediamine, kgs.....lb. .84 - —
Metatoluidine, bbls., works.....lb. .94 - —
Metatolylenediamine, kgs .....lb. .94 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .66 - —
l.c.l., frt. alld.....gal. .79 - —
Methanol, nat., denat. grd., tanks, frt. alld..gal. .60 - —
Prices on natural methanol W of Miss. 3c. higher.
synthetic, zone 1, dms. c.l., frt. alld gal. .38 —
l.c.l., frt alld .....gal. .41 - .43
tanks, frt. alld .....gal. .26
zone 2, dms., c.l., frt. alld gal. .43½- .45
l.c.l., ex whse.....gal. .46½- —
tanks, frt. alld .....gal. .29½ .31

Synthetic methanol zones are: Zone 1 is all continental U. S., E of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib dms. frt. alld., 50-lb. or more lb. 4.55 —
feed grade, 98%, same basis. lb. 3.00 - —
97%, same basis..... lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 —
t.c.l., same basis lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼- —
t.c.l., same basis lb .17¾ —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetoacetate, dms., c.l., dlvd.. lb. .53 - —
t.c.l., dlvd..... lb .54 - —
tanks, dlvd..... lb .51½- —
Methyl acetoacetate prices frt. alld. W. ½c. higher.
Methyl acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld..... lb. .60 - —
t.c.l., same basis gal 71 —

Natural methyl acetone group A prices W of Miss. 3c per gal higher

Group B dms., incl., E. Miss., frt. alld., any quantity gal. 50 —
synthetic, dms., c.l., works, frt. alld. E gal. .53 —
frt. alld. W gal 57 —
t.c.l., works, frt. alld. E gal. 56½ —
frt. alld W gal. 60½- —
tanks, works, frt. alld. E gal. 43½- —
frt. alld. W gal. 47 —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four
Acrylate, dms., c.l., and truckload, works lb. .50 —
less than truckload, works lb. .50½- —
Alcohol (see Methanol).
Anthranilate, cns., 100 lbs. or more lb. 2.10 - 2.90
extra cns. .....lb. 4.00 4.40
Benzoate, cns .....lb. .55 1.20
Bromide, dealers, cns.....lb. .69 - .71
cyls. lb 60 78
Chloride, indust., cyl., works..lb. .18 - —
tanks, multi-unit, works....lb. .13½- —
single-unit works .....lb. .11 - —
refrigerator mfrs. cyls. dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —
Cinnamate, cns. .....lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .28½- —
l.c.l., works .....lb. .30 - —
tanks, works.....lb. .27 - —

Lovage Root—Methylcellulose

Methyl formate, refd., dms..... lb. .35 - .40
tech. non-ret. dms., any quantity, works lb .08 —
tanks, works ..... lb .07 —
Iodide, bots., works ..... lb 3.65 4.78
cbys., works ..... lb 2.80 3.00
Lactate dms c.l. works lb .35 —
Methacrylate, dms., c.l. and truckload, works lb. .44½- —
less than truckload, works lb. .45 —
Parahydroxybenzoate, USP, bots. lb 2.10 2.20
fib dms lb 1.90 2.00
Roseanilin chloride, USP, bot. lb 5.17 5.27
Salicylate, USP, dms., 500 lbs lb. .45 - —
cans, 50 lbs ..... lb. .50 - —
Testosterone USP 100 gms gm 3.50 —
Methylheptin carbonate, bots lb.35.00 -38.00
Methylal, refined 95% dms., c.l., works lb. .11 —
t.c.l. works lb. .12 —
tanks, works lb .09 —
Methylamyl acetate, dms., c.l., dlvd. lb. .14¼- —
l.c.l., dlvd..... lb. .15¼- —
tanks, dlvd..... lb. .12½- —
Ketone, dms., works..... lb. 1.05 - —
Methylcellulose, special vis., 4,000 cps.), fib, ctns., c.l., works, lb. .68 - —
2,000 lbs. and more, same basis lb. .70 —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .87
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld. lb. .61 - —
2,000 lbs. and more, same basis lb. .63 —
smaller lots, frt. alld. on 100 lbs. lb. .68 .70

Heyden

FORMIC ACID and SODIUM FORMATE

FORMIC ACID (90% and 85%)

Available in 500 lb. stainless steel drums or 125 lb. carboys. For use in:

Dyeing Operations
Textile Finishing
Leather Tanning
Rubber Manufacture
Paper Treatment
Metal Plating
Souring (laundries)
Intermediates for drugs, perfumes, formates, etc.

HEYDEN SODIUM FORMATE

A neutral and colorless crystalline powder which gives a clear solution in water and is especially suitable for use in the production of water-resistant wallpapers, in textile dyeing, in leather tanning and in a variety of other uses.

SHIPPED IN 300 LB. WATER-PROOFED FIBER DRUMS.

Samples and technical data sent promptly upon request on company letterhead.

SERVING INDUSTRY THROUGH FINER CHEMICALS

FINE HEYDEN CHEMICALS

Benzaldehyde • Benzoates • Benzyl Chloride
Bromides • Chlorinated Aromatics
Creosotes • Formaldehyde • Formic Acid
Glycerophosphates • Guaiacols
Hexamethylenetetramine • Medicinal Colloids
Methylene Disalicylic Acid • Paraformaldehyde
Parahydroxybenzoates • Penicillin • Pentaerythritols
Propyl Gallate • Quadrafos • Resorcinol
Salicylates • Salicylic Acid • Streptomycin

HEYDEN
CHEMICAL CORPORATION
393 SEVENTH AVE., NEW YORK 1, N.Y.
CHICAGO 6 • PHILADELPHIA 3 • SAN FRANCISCO 11
DETROIT 1 • RUMFORD 16, R.I.

Methylene Blue—Octyl Methacrylate

Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs., same basis lb 3.02 - 3.22
Chloride indust. dms., c.l., dlvd. E lb. .12 -
i.c.l., dlvd. E lb. .13½- —
tanks, dlvd. E lb. .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb. .10¾- .11¾
l.c.l., dlvd lb. .11½- .12½
tanks, dlvd lb. .09 - .10
Methylionone, A, cns lb 6.55 - 8.80
D, cns lb 7.50 - 9.55
prime, cns lb 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd. lb. .12 - —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone dms., dlvd. lb. 1.40 - 1.45
250 lbs., dms., dlvd. E. of Miss. lb. 1.51 - —
less than 250 lbs., dms., same basis lb. 1.71 - —
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03¾- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse., or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
Mica, wet-grd., paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet grd., rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher
Milk powder, skimmed, roller, bbls., c.l lb. .10½- .10⅝
spray, bbls., c.l. lb. .12¼- .12¾
Whole, roller, bbls., c.l. lb. .28 - .33
spray, bbls., c.l. lb. .28½- .35½
Sugar, crude, bgs., c.l., works lb. .16 - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾- —
200-1,800-lb. lots lb. .23¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Molasses, blackstrap, tanks gal. .15 Nom.
New Orleans, tanks gal. .15 Nom.
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 99% Mo., powd., kgs. lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., frt. alld., as dlvd. lb. .08½- .09½
l.c.l., same basis lb. .09½- .10½
tanks, same basis lb. .07 - .08
Monochlorobenzene prices in the West, 1¾c. higher.
Monoethanolamine, dms. c.l., frt. alld. E lb. .27 - .28¼
l.c.l., same basis lb. .28 - .29¼
tanks, same basis lb. .25½- .26½
Monoethylamine, dms., c.l., frt. alld. E., basis 100% lb. .21¾- —
l.c.l., same basis lb. .22¾- —
tanks, same basis lb. .20 - —
Monoisopropylamine, dms., c.l., frt. alld. E. lb. .24¼- .25¼
l.c.l., same basis lb. .25¼- .26¼
tanks, same basis lb. .22½- .23½
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —

Morphine, cns. oz. 12.40 - 12.60
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - 9.90
Hydrochloride, NF, cns oz. 9.90 - 10.00
Sulphate, USP, cns oz. 9.90 - 10.00
Morpholine, dms., c.l., works lb. .60½- —
l.c.l., works lb. .61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs lb. .65 - .75
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .16 - .18
Musk, natural, Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs., fib. dms. lb. 5.40 - —
25 lbs., cns lb. 5.50 - —
5 lbs., cns lb. 5.65 - —
Ketone, 100 lbs., fib. dms lb. 4.95 - —
25 lbs., cns lb. 5.05 - —
5 lbs., cns lb. 5.20 - —
Xylol, 100 lbs., fib. dms lb. 1.40 - —
25 lbs., cns lb. 1.45 - —
5 lbs., cns lb. 1.55 - —
Musk root, bls lb. No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .07¼- .07½
Dutch yellow, bgs., futures lb. .14 - .14½
English, yellow, bgs lb. .15 - .15½
Montana, brown, Sept.-Oct., bgs., source lb. .05 - .05¼
Oriental, Sept.-Oct., bgs., source lb. .05 - .05¼
yellow, Sept.-Oct., bgs. source lb. .08½- .09
Washington, yellow, source, bgs. lb. .11 - .11½
Myrobalans, J1, assorted, ex dock. ton. 52.00 - —
crushed, ex dock ton. 76.50 - —
J2, ex dock ton. 42.00 - —

N

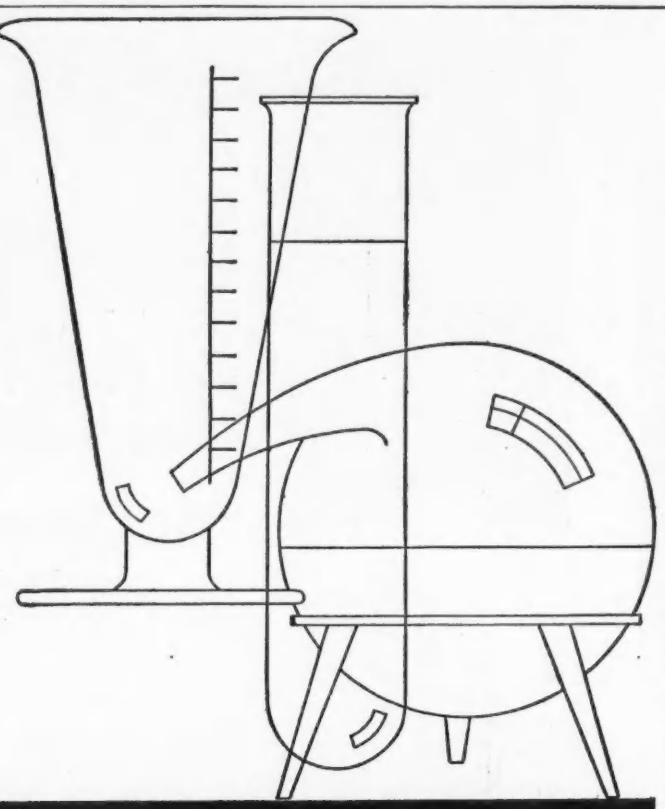
Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74° bgs., bbls., works, c.l., frt. equald lb. .07 - —
tanks, same basis lb. .0425- —
Naphthalene, dom., crude, 70°, bgs., bbls., c.l., works, frt. equald lb. .0535- —
l.c.l., same basis lb. .0560- —
dms., c.l., same basis lb. .0650- —
l.c.l., same basis lb. .07 - —
tanks, same basis lb. .0475- —
refined, industrial, bbls., c.l., frt. equald lb. .09 - —
bgs., c.l., same basis lb. .08½- —
tanks, same basis lb. .08 - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .11 - —
cs., 50 lbs., c.l., same basis lb. .11¼- —
1-lb. pkgs., c.l., same basis lb. .14 - —
imported, crude, 78°, 100-ton lots lb. .03¼- —
refined, 30,000-lb. lots lb. .09½- —
smaller lots lb. .09¼- .10¼
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton. 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.05 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .52½- .53½
Carbonate, bbls., dlvd lb. .57¼- .57¾
Chloride, bbls., dlvd lb. .27 - .27½
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .49¾- .50¾
Metal, electro cathodes, cs lb. .48 - —
Nitrate, bbls., works lb. .26½- .27½
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd lb. .20 - —
l.c.l., dlvd lb. .20½- —
Nicotinamide, USP, dms., frt. adjusted kilo 11.00 - 11.30
Hydrochloride, dms., frt adjusted kilo. 10.50 - 10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm. 49 40 - —
tins, 10 lbs. dealers, frt. alld. on cases of 6 tin. 10.85 - —
Nikethamide, bots., cbys lb. 5.60 - 5.75
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l. lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .09 - —
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., c.l lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400, 600-1,000 secs., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis lb. .35 - —
l.c.l., same basis lb. .36 - .38
5-6, 40-60 secs., c.l., same basis. lb. .34 - —
l.c.l., same basis lb. .35 - .37
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., dlvd., E. of Rockies lb. .25 - —
Nitrogen solution, tanks, works., N. ton. 115.00 - —
Nitrogenous process tankage, bulk, works, ammo., ship't. unit-ton. 3.90 - 4.00
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane, 1, dms., dlvd., E. of Rockies lb. .23¼- —
2, dms., dlvd., E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .26 - —
l.c.l., works lb. .27 - —
tanks, works lb. .25 - —
Nutgalls, Aleppo, bgs lb. .38 - —
Chinese, bgs. lb. .32 - —
Istrian, bgs lb. .31 - —
Nutmeg, East Indian, broken, limed. bgs. lb. .53 - .53½
whole, shrivels, bgs lb. .51 - .52
110's, cs lb. .54 - .55
shipment, cs lb. .54 - .55
West Indian, bgs lb. .37 - .37½
futures lb. .39 - .40
Nux vomica, bls. lb. .10 - .12
powdered, bbls., bxs lb. .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
10°C., b.r. Bayonne, N.J., tanks gal. .16½- —
Octanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd lb. .36½- —
tanks, dlvd lb. .32 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —

SYMBOL of DREW FATTY ACIDS SUPERIORITY for

COSMETICS . . . SOAPS . . . SHAMPOOS
DETERGENTS . . . SHAVING CREAMS . . .
FOOD...PHARMACEUTICALS...TEXTILES
LEATHER . . . RUBBER . . . PAINTS
PLASTICS . . . PETROLEUM . . . PAPER
INSECTICIDES . . . PROTECTIVE COATINGS



It takes a lot of doing to produce superior fatty acids. Carefully selected raw materials are a must. Equally important are skillful compounding; maintenance of uniform control; complete research and production facilities. These, plus a determination to produce only the finest fatty acids are reasons why DREW is a leading producer of Distilled and Fractionated Fatty Acids.

Compare the chemical data of DREW Fatty Acids with similar products—you'll understand why leading manufacturers demand DREW Fine Fatty Acids for their best products.

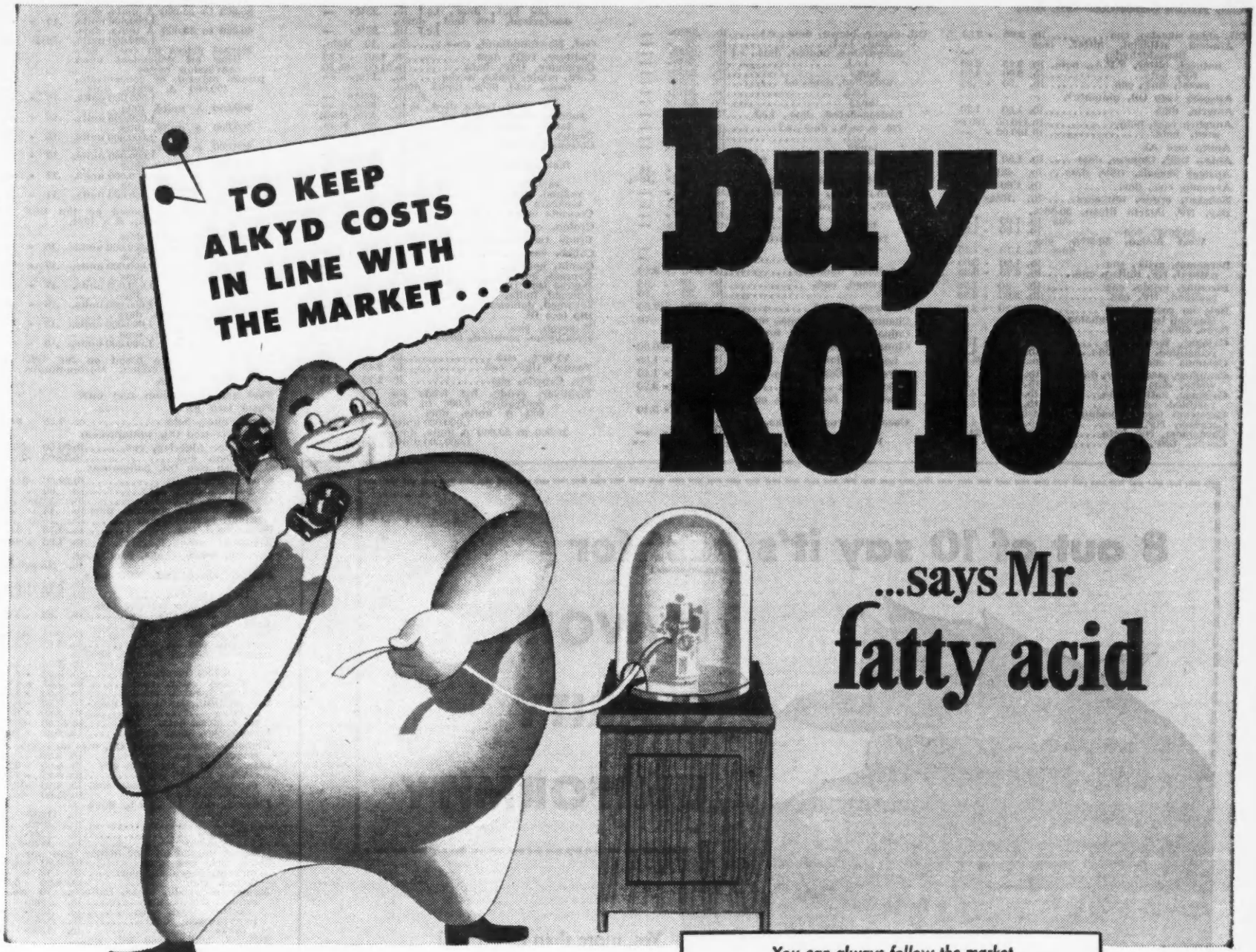
CHEMICAL DATA

PRODUCT	TYPE	FFA	TITRE °C	IODINE VALUE	ACID VALUE	SAP. VALUE	COLOR
AB	Double Distilled Coconut Fatty Acid	126-132	24-28	8-16	250.6-262.5	250.6-262.5	20.0/3.0
AAB	85-90% Lauric Acid	139-144	37.0 Min.	3.0 Max.	277-286.4	277-286.4	15.0/2.0
ABL	70% Lauric Acid	138-141	30.0 Min.	5.0 Max.	274.4-280.4	274.4-280.4	20.0/3.0
ABH	Double Distilled Hydrogenated Coconut Fatty Acid	126-132	29	3.0 Max	250.6-262.5	250.6-262.5	15.0/2.0
AAAR	Single Distilled Coconut Fatty Acids	123-128	30.0 Max.	16-22	245-255	245-255	35.0/5.0
Caprylic Acid	Caprylic Acid—65% Caprylic Acid—80%	184 191		2.0 Max.	366 380	366 380	10.0/2.0
Wecoline S	Double Distilled Soya Fatty Acid	99-102	22-24	125-140	196.9-203	196.9-203	10.0/1.5
Wecoline S-2	Distilled Soya Fatty Acid	99-107	24-28	105-125	196.9-212.8	196.9-212.8	35.0/10.0
Wecoline L	Double Distilled Linseed Fatty Acid	99-101	22.0 Max.	175-192	196.9-200.8	196.9-200.8	10.0/1.5
Wecoline C	Cottonseed Fatty Acids	98-103	34-38	95-110	196-206	196-206	30.0/8.0
Wecoline 00	Double Distilled Oleic Fatty Acid	98-101	8.0-10.0	85-93	194.9-200.8	194.9-200.8	10.0/1.5
Formula 1500	Stearic Acid	99.0 Min.	54-56	15.0 Max.	196.9 Min.	196.9 Min.	35.0/5.0*
Formula 1000	Stearic Acid	99.0 Min.	58	6.0 Max.	196.9 Min.	196.9 Min.	35.0/5.0*
Formula 200	Stearic Acid	99-103	56-57	6.0 Max.	196.9-204.8	196.9-204.8	4.0/1.0
Formula 300	Stearic Acid	99-103	58.0 Min.	4.0 Max.	196.9-204.8	196.9-204.8	4.0/1.0
Formula 400	Stearic Acid	99-103	60-64	3.0 Max.	196.9-204.8	196.9-204.8	4.0/1.0
VRO	Mixed Vegetable Fatty Acids—Special Mixed Vegetable Fatty Acids—Regular	116 112	30.0 Max.	30-60	231 223	231 223	70.0/10.0

Color Readings: Full Column unless otherwise indicated *1" cell

For further information, write
TECHNICAL PRODUCTS DIVISION
E. F. DREW & CO., INC.
15 EAST 26th STREET, NEW YORK 10, N. Y.
CHICAGO PHILADELPHIA BOSTON GREENVILLE, S. C.

DREW PRODUCTS



buy RO-10!

...says Mr. fatty acid

HERE'S news that should send any alkyd manufacturer running to the nearest teletype. On today's market, you can buy ADM's RO-10 Soya Fatty Acids considerably below whole oil. *As a result you can produce RO-10 alkyds for less than comparable whole oil alkyds.*

In addition, RO-10 Acids allow a wider choice of raw materials . . . simplify processing . . . assure a higher quality, more uniform product. Fast direct esterification increases kettle output. RO-10 Acids are made from recovered soybean oil . . . by *distillation* . . . and are remarkably free from the metallic soaps, hydroxy acids, aldehydes and other impurities often found in split acids.

You can order RO-10 or any other ADM vegetable fatty acids in combination with oils of any kind, in truckload, carload or tank car lots. That means nice *extra* savings!

Familiarize yourself with the chart at right. Then mail the coupon at the right, for samples and technical bulletins.

SPECIFICATIONS

Acid No.	195-205
Saponification No.	198-207
Iodine No. (Wijs)	125 Minimum
Color (Gardner)	6 Maximum
Wt. per gal.	7.52 lbs.

Take the Scientific Shortcut with

ADM fatty ACIDS

You can always follow the market with the broad line of

ADM VEGETABLE FATTY ACIDS

FATTY ACID TYPE AND GRADE	PROTECTIVE COATINGS	SYNTHETIC RESINS	INKS	PUTTY AND CAULKING COMPOUNDS	METALLIC SOAPS	LIQUID SOAPS	WAXES AND POLISHES	INSECTICIDES AND DISINFECTANTS	LUBRICATING GREASES	COSMETICS	PHARMACEUTICAL
LINSEED											
Water White	X	X	X								
Regular	X	X	X	X	X	X		X			
SM-500	X	X	X	X	X	X		X			
SM-600	X	X	X	X	X	X		X			
Essential Unsaturated Free Fatty Acids											X
SOYA											
Water White	X	X	X								
Regular	X	X	X		X	X		X			
RO-4	X	X	X		X	X		X			
RO-10	X	X	X	X	X	X	X	X	X		
RO-11S	X	X	X		X			X			
CORN-SOYA Double-Distilled				X		X	X	X	X		
CORN Double-Distilled				X		X	X	X	X		
COTTONSEED Double-Distilled		X			X		X	X	X		
COCONUT Double-Distilled		X				X		X		X	

ARCHER-DANIELS-MIDLAND COMPANY
600 Roanoke Building • Minneapolis 2, Minnesota

Please send me the following:

- ☐ TECHNICAL BULLETIN 79, RO-10 SOYA FATTY ACIDS
- ☐ SAMPLES OF RO-10 SOYA FATTY ACIDS
- ☐ TECHNICAL BULLETIN 79, ALKYDS FROM FATTY ACIDS

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ ZONE ____ STATE _____

Oil, Abies Siberica—Oil, Rue

Oil, abies siberica, cns.....lb. 2.95 - 3.50
Almond, artificial, bitter, (see Benzaldehyde).
natural, bitter, F.P.A., bots. lb. 3.25 - 5.00
NF, bots.....lb. 3.00 - 3.75
sweet, dms., cns.....lb. .50 - .85
Allspice (see Oil, pimento).
Amyris, dms.....lb. 1.65 - 1.70
Angelica root, bots.....lb.110.00 -190.00
seed, bots.....lb.100.00 - —
Anilin (see A).
Anise, USP, Chinese, dms.....lb. 1.20 - 1.60
Apricot kernels, USP, dms....lb. .42½- .58
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, crude, tankcars.....lb. .19¼- —
Bay, NF, Puerto Rican, 50-55%, cns..lb. 1.05 - 1.50
55-60%, cns.....lb. 1.20 - 1.50
West Indian, 50-55%, cns., dms..lb. 1.12 - 1.15
Bergamot, artif., cns.....lb. 1.50 - 3.50
natural, NF, Italian, cns.....lb. 4.75 - 5.25
Birchtar, crude, cns.....lb. .80 - 1.76
rectified, NF, cns.....lb. 3.95 - 4.25
Bois de rose, Brazil.....lb. 3.50 - 3.90
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 1.85 - 1.95
redistilled, USP, cns.....lb. 2.35 - 4.50
Calamus, cns.....lb.20.00 -25.00
Camphor, sassafrassy, dms.....lb. .17 - .60
white, dms.....lb. .22 - .63
Cananga, native, cns.....lb. 4.25 - 4.80
rectified, cns.....lb. 5.10 - 6.00
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns.....lb. 3.70 - 4.10
Cardamom, NF, bots.....lb.50.00 -63.00
Cassia, USP, cns.....lb. 3.50 - 4.75

Oil, castor, blown, dms., c.l.....lb. .2250- —
dms., l.c.l.....lb. .22 - —
dehydrated, bodied, dms., c.l lb. .2425- —
l.c.l.....lb. .24¾- —
tanks.....lb. .2325- —
unbodied, dms., c.l.....lb. .2325- —
l.c.l.....lb. .2375- —
tanks.....lb. .22 - —
hydrogenated, dms., l.c.l.....lb. .2925- —
No. 3, tech., dms., c.l.....lb. .1975- —
l.c.l.....lb. .2025- —
tanks.....lb. .1875- —
Sulphonated, 50% (48% fat), dms. lb. .12 - .14
75% (60-62% fat), dms.....lb. .15¾- .16¾
tech., No. 1, Brazilian, tanks.lb. .17 - —
USP, standard, dms., c.l.....lb. .2050- —
l.c.l.....lb. .21 - —
tanks.....lb. .1950- —
refined and deodorized, dms., c.l...lb. .2175- —
l.c.l.....lb. .2250- —
Cedarleaf, dms.....lb. 2.10 - 2.40
Cedarwood, cns.....lb. .45 - .55
dms.....lb. .32 - .50
Celeryseed, bots.....lb.15.75 -17.50
Chaulmoogra, NF, cns., dms....lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots.....lb.25.00 -60.00
Leaf, Ceylon.....lb. 1.35 - 1.50
Citronella, Ceylon, cns.....lb. 1.20 - 1.40
Java, cns.....lb. 1.70 - 2.20
Clove, USP from buds, cns., dms. lb. 1.80 - 2.10
Coconut, crude, tanks, Atlantic ports..lb. .17¼- —
Pac. Coast.....lb. .16½- —

Oil, coconut, refined, Cochin type, tax incl., dms., l.c.l..lb. .23¼- —
deodorized, tax incl., dms., l.c.l..lb. .25½- —
Cod, Newfoundland, dms.....lb. .10 Nom.
Codliver, USP, dms.....lb. 1.45 - 1.55
Coriander, USP, bots.....lb.21.00 -26.50
Corn, crude, tanks, works.....lb. .17¼- —
foots, acid, 95%, tanks dlvd. E..lb. .07⅛- —
raw, 50%, tanks, dlvd., E lb. .02½- —
refined, dms., New York.....lb. .23½ Nom.
tanks, same basis.....lb. .22 Nom.
Costus, bots.....oz.21.00 - —
Cottonseed, crude, tanks, Southeast and Valley..lb. .16¾- —
foots, acid 95%, tanks, dlvd. E..lb. .06 - —
raw, 50%, tanks, dvld. E..lb. .02½- —
refined, dms.....lb. .24 Nom.
tankcars.....lb. .22½ Nom.
Creosote (see Creosote, coaltar).
Croton, cns.....lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns.....lb. 6.00 - 7.50
Cumin, bots.....lb. 4.50 - —
Cypress, bots.....lb.11.00 -15.00
Degras (see D).
Dillseed, India, bots.....lb. 6.25 - 7.75
Dillweed, domestic, bots., dms..lb. 4.90 - 6.00
Dip (see D).
Erigeron, cns.....lb. 5.75 - 6.00
Eucalyptus, rectified, 80-85%, cns. lb. .72 - 1.28
70-75%, cns.....lb. .60 - .88
Fennel, USP, cns.....lb. 2.45 - 3.25
Fir, Canada, cns.....lb. 1.75 - 2.15
Fishliver, crude, for feeds for centrating, 6,000 to 12,000 A units, dms.....
1,000,000 units. .09 - —
15,000 to 20,000 A units, dms.
1,000,000 units. .09½- —

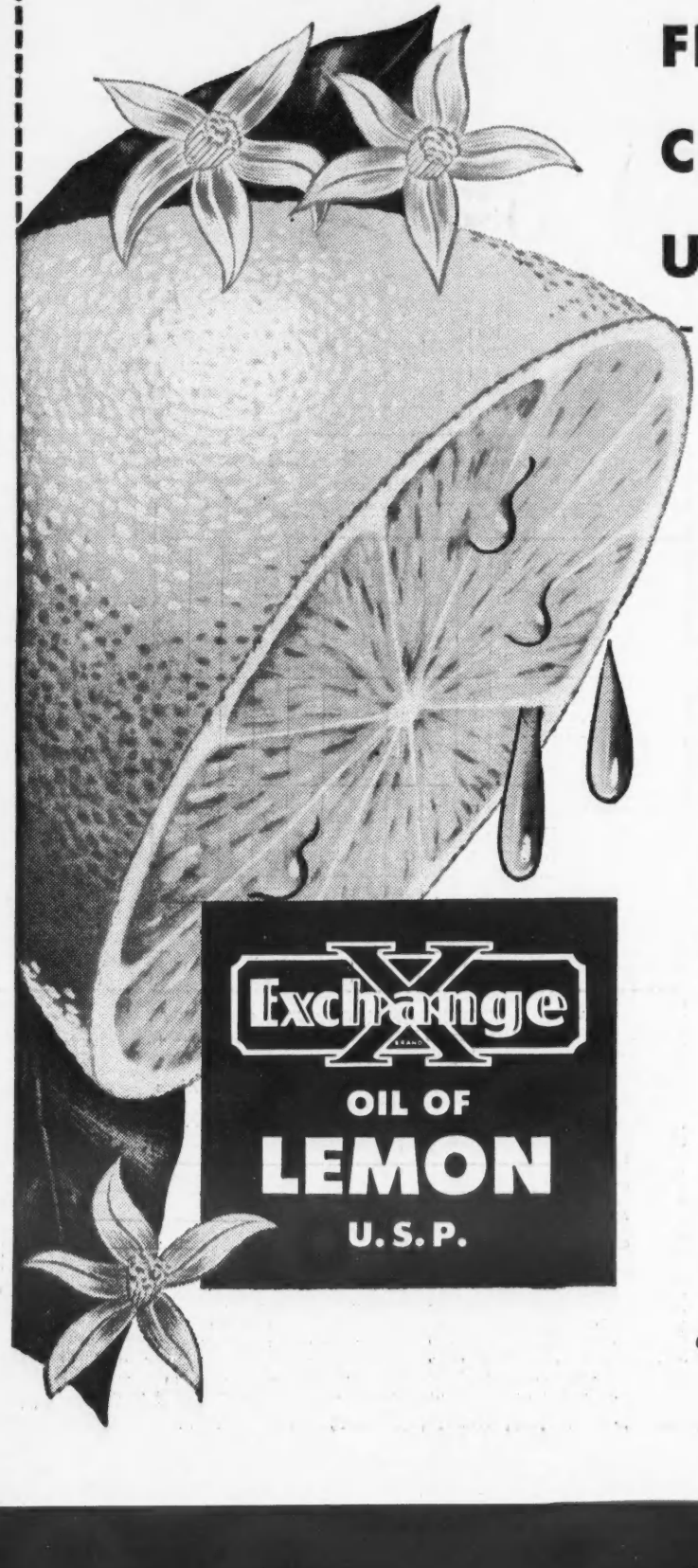
Oil, fishliver, crude, for feeds, 25,000 to 35,000 A units, dms.
1,000,000 units. .10 - —
40,000 to 55,000 A units, dms.
1,000,000 units. .10½- —
Market prices on crude fishliver oil dependent upon conversion factor.
prime, natural, or concentrate, 100,000 A units, dms..
1,000,000 units. .15 - —
200,000 A units, dms.....
1,000,000 units. .16 - —
300,000 A units, dms.....
1,000,000 units. .16 - —
400,000 A units, dms.....
1,000,000 units. .17 - —
500,000 A units, dms.....
1,000,000 units. .17 - —
700,000 A units, dms.....
1,000,000 units. .17 - —
Prices above are based on the USP XIII method of conversion, E x 1894.
100,000 A units, dms.....
1,000,000 units. .16 - —
200,000 A units, dms.....
1,000,000 units. .17 - —
300,000 A units, dms.....
1,000,000 units. .17 - —
400,000 A units, dms.....
1,000,000 units. .18 - —
500,000 A units, dms.....
1,000,000 units. .18 - —
700,000 A units, dms.....
1,000,000 units. .18 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots.....oz. 7.25 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.20.00 -24.00
Bourbon, cns.....lb.22.00 -25.50
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.22.00 -24.00
Grapefruit, dist., bots.....lb. .60 - .90
Grease, No. 1, dms.....lb. .14½- .14¾
extra, Winter, strained, dms lb. .15¾- .16¼
prime, burning, dms.....lb. .16¾- .17¼
Guaiacwood, cns.....lb. 1.75 - 1.90
Hemlock, cns.....lb. 1.80 - 2.10
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots.. lb. 2.50 - 3.50
twice rectified.....lb. 3.50 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots.....lb. 9.75 -12.50
Lavandin, cns.....lb. 1.65 - 2.25
Lavender flower, French, 30-32% ester, cns..lb. 2.25 - 3.25
38-42% ester, cns.....lb. 3.50 - 4.15
40-42% ester, cns.....lb. 3.65 - 4.75
Spike, Spanish, cns.....lb. 1.25 - 1.55
Lemon, USP, Calif., cns., dms..lb. 3.35 - 3.75
Messina.....lb. 3.60 - 6.50
terpeneless, bots.....lb.32.00 -65.00
Lemongrass, cns., dms.....lb. 2.20 - 2.65
Lignaloe, Brazilian (see Oil, bois de rose).
wood, Mexican, cns.....lb. 3.50 - —
Lime, distilled, Mexican, cns...lb. 6.00 - 7.00
West Indian, cns.....lb. 6.25 - 7.25
expressed, West Indian, cns..lb. 7.25 -13.75
terpeneless, bot.....lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1860- .1880
l.c.l.....lb. .1940- .1980
tankcars.....lb. .1740- .1760
tankwagon.....lb. .1770- .1780
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms.....lb. 3.20 - 4.00
Mandarin, Floridian, dms.....lb. 1.75 - —
Italian, cns.....lb. 4.80 - 8.50
Menhaden, crude, tanks, Balto.lb. .10 Nom.
refined, alkali, dms.....lb. .1580- —
kettle-bodied, dms.....lb. .1680- —
light-pressed, dms.....lb. .1480- —
tanks.....lb. .1300- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms..lb. .22½- .23
synthetic, cns., dms.....lb. 1.40 - 1.70
Neatsfoot, 15°, dms.....lb. .32 - —
20°, dms.....lb. .30 - —
30°, dms.....lb. .26 - —
Neroli, NF, French, bots.....oz.125.00 -195.00
Haitian, bots.....lb.85.00 -90.00
Niaouli, cns.....lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms..lb. 3.30 - 3.75
West Indian, cns., dms..lb. 3.30 - 3.60
Ocotea cymbarum, dms.....lb. .68 - .90
Oiticica, liquid, drums.....lb. .20½- .21
tankcars.....lb. .19½- —
Oleo, extra, dms.....lb. .17½ Nom.
Olibanum, bots.....lb. 5.50 - 7.65
extra fine, bots.....lb. 6.25 - 8.50
Olive, commercial, dms.....gal. No stocks.
edible, dms., duty paid.....gal. 2.90 - 3.00
foots, dms.....lb. .14½- .15
Orange, sweet, dist., cns.....lb. .40 - .60
expressed, USP, Brazilian, cns., dms..lb. .95 - 1.25
Calif., cns.....lb. .75 - 1.25
Florida, cns., dms.....lb. .60 - 1.00
Messina, coppers.....lb. 2.90 - 5.50
West Indian, cns.....lb. 2.50 - 3.15
sesquiterpeneless, bots.....lb.55.00 -95.00
Origanum, Spanish, cs.....lb. 2.30 - 2.75
Palm, Congo, dms.....lb. .1400- —
tankcars.....lb. No stocks.
Palmarosa, cns.....lb. 7.10 -10.50
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F. tanks, East Coast refinery..gal. .11½- —
Patchouli, dms.....lb.20.00 -24.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast. lb. .20 - —
refined, dms.....lb. .26½ Nom.
tanks, New York.....lb. .24 Nom.
Pennyroyal, USP, dom., cns..lb. No stocks.
imported, cns.....lb. 4.30 - 4.75
Peppermint, natural, dms.....lb. 6.05 - 7.25
redist., USP, dms.....lb. 6.35 - 7.65
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns.....lb. 2.00 - 2.55
Pimento berry, NF, dms.....lb. 4.00 - 5.75
leaf, cns.....lb. 1.40 - 1.70
Pine, dest.-dist., dms., incl., c.l., works, South..gal. .64 - —
l.c.l., works, South..gal. .65 - —
ex whse., N.Y.C..lb. .76 - —
steam-dist., dms., ex whse., nonret. dms., incl., l.c.l., ex whse., N.Y.C..lb. .107 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., divd. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .10 - —
Rapeseed, tankcars.....lb. .17½ Nom.
Red, saponified, dms.....lb. .16¾- .18
tanks.....lb. .15¼- —
single dist., dms.....lb. .17½- .18¾
tanks.....lb. .16 - —
double dist., dms.....lb. .20 - .21¼
tanks.....lb. .18½- —
Rice bran, clarif., dms.....lb. No stocks.
Rose, natural, Bulgarian, bots.. oz.26.00 -60.00
Rosemary, Spanish, tech., cns., dms..lb. .80 - 1.50
USP, cns., dms.....lb. .85 - 1.20
Rue, bots.....lb. 2.50 - 3.00

8 out of 10 say it's *best* for

FLAVOR

CLARITY

UNIFORMITY



Yes, more than 80% of all the lemon oil used in the United States is Exchange Lemon Oil!

This overwhelming endorsement by the trade is your guarantee that Exchange Lemon Oil delivers *quality*... quality in the form of superior *flavor* and unmatched *clarity* and *uniformity*.

Always specify it by the brand name when you order—Exchange Oil of Lemon. For complete satisfaction, accept no other brand.

Distributed in the United States exclusively by
DODGE & OLCOTT, INC.
180 Varick Street, New York 14, N. Y.

FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York 11, N. Y.

Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
Products Department, Ontario, Calif.

Producing Plant:
Exchange Lemon Products Co., Corona, Calif.

Oil, safflower, dms., l.c.l. lb. .1825- —
tanks lb. .1350 Nom.
Sage, clary, bots. lb. 12.25 -19.00
Dalmatian, cns. lb. 8.00 - 8.25
Spanish, cns. lb. .95 - 2.00
Sandalwood, NF, cns. lb. 11.75 -12.50
Sardine, crude, tanks, Pac. coast. lb. .08¾- .09
refined, alkali, dms. lb. .1580- —
kettle-bodied, dms. lb. .1680- —
light-pressed, dms. lb. .1480- —
tanks lb. .13 - —
Sassafras, artificial lb. .52 - .78
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms. lb. 1.95 - 2.50
Savin, cns. lb. 2.75 3.00
Savory, cns. lb. 6.00 —
Seal, 2% acid duty extra, dms lb. No stocks.
Sesame, ref., dms., l.c.l. lb. .31 - —
Shingle stain bbls., c.l., works, gal. .27 - —
l.c.l., works gal. .30 - —
tanks, works gal. .19 - —
Snakeroot, Canada, cns. lb. 24.00 -26.00
Soybean, crude, tanks, mills lb. .13¾- —
foots, acid, 95%, tanks, dlvd. E lb. .08 - —
raw, 50%, tanks, dlvd. E lb. .03½- —
refined, alkali, dms., c.l. lb. .1725- —
l.c.l. lb. .1785- .1845
tanks lb. .1605- —
clarified, dms., c.l. lb. .1630- —
l.c.l. lb. .1695- .1745
tanks lb. .1515- —
edible, dms. lb. .20½ Nom.
tanks lb. .18½ Nom.
Spearmint, USP, dms. lb. 3.50 - 4.50
Sperm, bleached, winter, 45°, dms lb. .1520- .1570
tankcars lb. .1420- —
natural, winter, 45°, dms. lb. .14 - .1470
tankcars lb. .13 - —
Spruce, cns., dms lb. 1.80 - 2.10
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.75 - 8.00
Southern, cns. lb. 2.05 - 3.75
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l., works lb .06 - —
l.c.l., works lb. .06¼- —
tanks, works lb. .05 - —
Tallow, acidless, dms. lb. .13 - .15½
Tansy, dms. lb. 7.75 - 9.00
Tar, pine, coml, dms., incl., c.l., works, South lb. .4875- —
l.c.l., works, South lb. .5110- —
whse., N.Y.C. lb. .6350- —
tanks, works, South lb. .3873- —
rectified NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see P).
Teaseed, dms. lb. No stocks.
Theobroma (see Cocoa butter)
Thyme, NF, red, cns., dms. lb. 1.65 - 2.45
white, cns. lb. 1.85 - 2.85
tecnnical, white, cns. lb. .40 5.00
Tung, dom., tanks, mills lb. .24½ Nom.
imported, dms., c.l. lb. .26½- —
l.c.l. lb. .26¾- .27
tanks lb. .25¼- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, NF, cns., dms. lb. .21 - .35
Vetiver, Bourbon, cns. lb. 20.00 -22.50
Haitian, cns. lb. 13.00 -17.00
Java, cns. lb. 22.00 - —
Whale, ref., natural, dms. lb. No stocks.
Winter-bleached dms. lb No stocks.
Wheat germ, 5-gal dms gal. 10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .48½- .51
l.c.l., same basis gal. .54½- .60¼
65-75 vis., dms., same basis. gal. .49½- .52
l.c.l., same basis gal. .55½- .61¼
USP, 80-90 vis., dms., c.l., same basis gal. .50½- .53
125-135 vis., dms., c.l., same basis gal. .58½- .61
l.c.l., same basis gal. .64½- .70½
145-155 vis., dms., c.l., same basis gal. .65½- .67
l.c.l., same basis gal. .71½- .76¼
175-185 vis., dms., c.l., same basis gal. .68½- .71¼
l.c.l., same basis gal. .74½- .81
200-210 vis., dms., c.l., same basis gal. .71½- .73¼
l.c.l., same basis gal. .77½- .83
335-345 vis., dms., c.l., same basis gal. .76 - .78¼
l.c.l., same basis gal. .82 - .87
Wintergreen, USP, nat., Northern, cns lb. 7.10 -18.00
Southern, cns lb. 3.75 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns. lb. 4.25 - 4.75
Wormwood, cns. lb. 6.50 - 7.25
Ylang-ylang, Bourbon, bots. lb. 12.00 -14.60
extra, bots. lb. 17.00 -18.00
Madagascar, bots. lb. 10.50 -10.75
Olein, crude (see Oil, red).
white, low titre, dms. lb. .20 - .21¼
tankcars lb. .18½- —
Oleostearin, bbls. lb. .14 - .15
Olivine, aggregate c.l., mines ton 7.00 9.50
crushed, 8 mesh, bulk c.l., works. ton. 10.00 —
paper bgs., c.l., works ton. 12.00 - —
Opium, USP, cns. lb 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd., USP cns. lb. 21.65 -21.90
Orange, cadmium (lithopone) bbls, frt. alld. E. of Rockies lb. 1.20 - —
Chrome, CP, bbls., dlvd N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .25 - —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

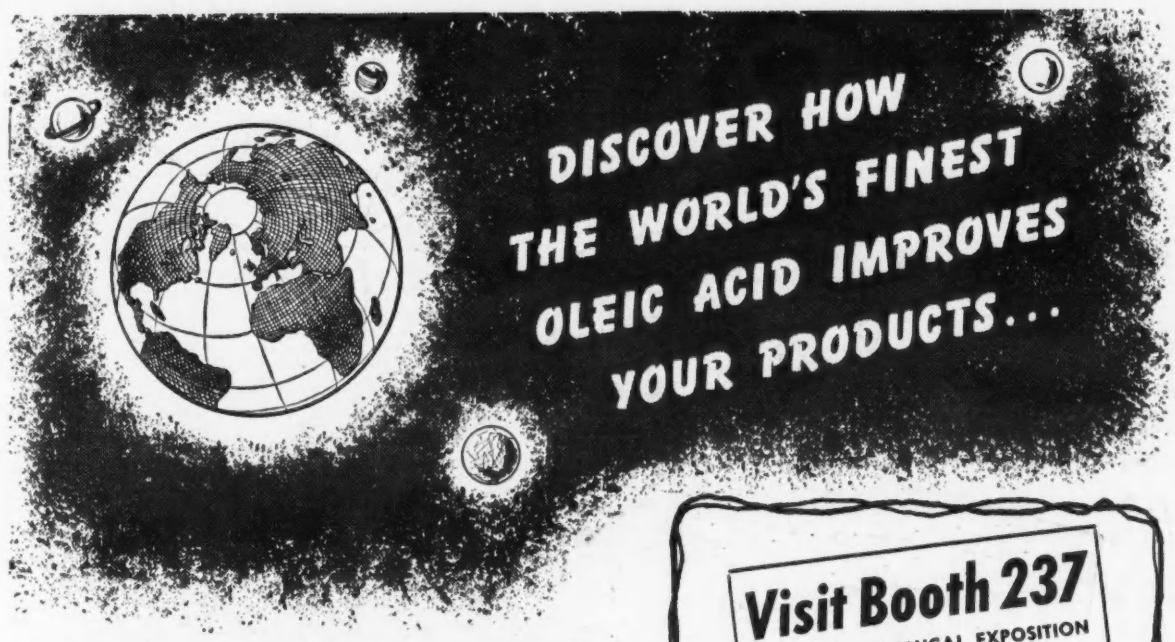
Chrome dinitroanilin toner lb. 1.15 —
Mineral, American, bbls., l.c.l., ship't point, frt. alld lb. .1810- —
Molybdate lb. .40 —
Persian, bbls lb. 30 - 45
Orange flowers, bls lb 40 45
Orange peel, bitter, Haitian, bls lb .13 .15
Sweet, bls lb. .15 - .18
Oregano, Mexican, bgs lb. .16½- .17
Portuguese, bgs lb. .16½- .17
Sicilian, bgs lb. .15½- .16
Orris root, Florentine, bls lb. .18 - .20
powdered, bbls., bxs lb. .23 - .24
Verona, bls lb. .15 - .18
powdered, bbls., bxs lb. .19 - .24
Orthoaminobiphenyl dms. c.l., works lb. .32½- —
l.c.l. same basis lb. .33 - —
tanks same basis lb .31 - —
Orthoanisidin bbls lb 80 - —
Orthochloroanilin dms. 10,000 lbs. or more lb. 60 - —
smaller lots lb. 70 - —
Orthochloroparanitroanilin, dms., dlvd. lb. .66 - —
Orthochlorophenol dms., c.l., frt. equald. lb. .29 - —
l.c.l., same basis lb. .30 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald. lb. .178 - —
l.c.l., same basis lb. .181 - —
ret. dms., c.l., same basis lb. .163 - —
l.c.l., same basis lb. .166 - —
29° C, non-ret. dms., c.l., same basis lb. .168 - —
l.c.l., same basis lb. .171 - —
ret. dms., c.l., same basis lb. .155 - —
l.c.l., same basis lb. .158 - —
24-29° C, non-ret. dms., c.l., same basis lb. .148 - .158
l.c.l., same basis lb. .151 - .161
tanks, same basis lb. .135 - .145
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .09¼- .10¼
l.c.l., same basis lb. .10¼- .11¼
tanks, same basis lb. .07¾- .08¾
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol dms. c.l. lb. .29 —
l.c.l. lb. .30 - —
tanks lb. .28 - —
Orthonitroanilin dms lb. 50 .52
Orthonitrochlorobenzene, dms lb. .18 - .19
Orthonitrobiphenyl tech. dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol cns lb 75 —
Orthonitrophenol, bbls., works lb. .85 - —
Orthonitrotoluene, dms., c.l., works lb. .09 - —
l.c.l., works lb. .10 - —
tanks, works lb. .08 - —
Orthophenetidin dms. works lb 90 —
Orthotoluidin, dms., c.l., works lb. .21 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .20 - —
Osage orange crystals, bbls. l.c.l. lb. 33½- —
extract, liquid, bbls. l.c.l. lb. .15½- —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, pots gram. 3.00 - 4.00
Ox gall, conc., gran., 50 dms., 5 lbs. and up lb. 2.50 - —
Oxyquinolin sulphate, cns., 100 lbs. works lb 4.25 - —
smaller lots, works lb 4.40 4.51

P

Pancreas substance, assay 1:75 lb 5.75 6.25
Pancreatin, USP lb 2.50 3.00
Panthenol, bots, works, frt. adjust. kilo 90.00 —
Papain, powd., NF, cs lb. 3.50 - 4.00
Papaverine, natural or synthetic, hydrochloride USP cns., 1,000-oz. lots oz 5.00 —
smaller lots oz 5.05 5.20
Sulphate, cns oz. 7.10 7.35
Paprika, Chilean, bgs lb. .29½- .30
Portuguese, bgs lb. .39 .40
Spanish, bgs lb. .44 - .50
Para-anisidin dms works lb. .80 —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 -21.00
Parachlorophenol, dms. c.l., frt. equald lb. .29 - —
l.c.l., same basis lb. .30 - —
Parachloroanilin dms. frt alld E. Miss lb. 70 - —
Parachloro-orthonitroanilin frt. alld. dms lb. .70 - —
Paracresol, 98%, dms., dlvd lb. .50 - —
Paracymene dms. works, 50 gals. or more gal 2.50 - —
smaller quantities gal 3.00 - —
Paradibromobenzene, bgs. 500-lb lots. lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .12 - —
l.c.l., same basis lb. .14 - —
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l. refinery lb No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0633- —
122-124 ASTM loose c.l. ref'y. lb. .0635- —
125-127 ASTM, loose, c.l., ref'd lb. .0635- —
128-130 ASTM, loose, c.l., ref'y lb. .0640- —
130-132 ASTM, loose, c.l., ref'y. lb. .0645- —
132-134 ASTM, loose, c.l., ref'y lb. .0660- —

Paraffin prices in bgs and ctns. 7 10c per lb. higher; 1,000 to 9,999 lbs. 2.7c per lb higher, and under 1,000 lbs. 3.7c per lb higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd N Y lb. .15½ .16¾
10,000 lbs. to c.l. same basis. lb. .16½ .16¾
1,000-9,999 lbs., same basis lb. .17½ .17¾
less than 1,000 lbs., same basis lb. .19¼ .19¾
94-95%, powd., dms., c.l., works, lb. .13 - —
10,000 lbs. to c.l. same basis. lb. .14 - —
1,000-9,999 lbs., same basis. lb. .15 - —
less than 1,000 lbs., same 135-137 ASTM, loose, c.l., ref'y lb. .0795- —
basis lb. .17 —



Lowest Linoleic Acid Content Available!

EMERSOL 233 L L ELAINE

Typical Fatty Acid Composition

Polyunsaturated Acids 3.9%
Monounsaturated Acids 90.0%
Saturated Acids (by difference) 6.1%

Through advanced processing techniques, Emery has made available commercially, a low linoleic oleic acid possessing these unique and outstanding features:

—maximum resistance to oxidation
—blandest odor
—maximum resistance to rancidity
—unique and uniform composition
—highest color & odor stability
—low titer

Now you can get the benefits of this purest oleic acid for only 1 cent over regular double-distilled grades. Ideally suited for odorless shampoos, stable soaps, pharmaceuticals, pure esters, textile specialties, Emersol 233 L L Elaine is also a superior replacement for Olive Oil fatty acids.

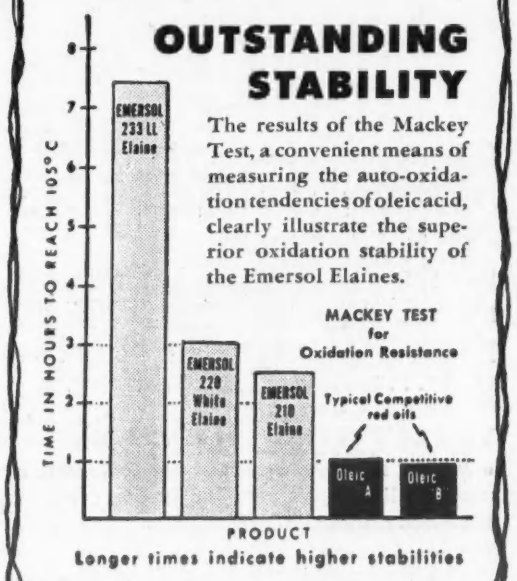
As indicated by the Mackey Test, all regular grades of Emersol Elaines, single and double distilled, also exhibit superior stability. For this reason, manufacturers prefer an Emery oleic above all others.

See for yourself how the Emersol Elaines can make your products better . . . stay better, longer. Next time . . . buy Emery!

Visit Booth 237
NATIONAL CHEMICAL EXPOSITION
CHICAGO COLISEUM
September 5 thru 9, 1950
Stop and discuss your manufacturing and development problems with our technicians.

OUTSTANDING STABILITY

The results of the Mackey Test, a convenient means of measuring the auto-oxidation tendencies of oleic acid, clearly illustrate the superior oxidation stability of the Emersol Elaines.



Longer times indicate higher stabilities

EMERY INDUSTRIES, INC.
Carew Tower
CINCINNATI 2, OHIO

Export Dept.: 5035 RCA Bldg., New York 20, New York

BRANCH OFFICES
3002 Woolworth Bldg., New York 7, N. Y.
187 Perry St., Lowell, Mass.
401 N. Broad St., Philadelphia 8, Pa.
Warehouse stocks also in St. Louis, Buffalo and Baltimore.

REPRESENTATIVES
Clarence Morgan, Inc., 919 N. Michigan Ave., Chicago 11, Ill.
Schibley & Ossmann, Inc., 33 Public Square, Cleveland 13, Ohio
Ecclestone Chemical Co., 2673 Guoin Detroit 7, Mich.

Paraformaldehyde, 91-92%—Petroleum Solvent, Stoddard

Paraformaldehyde, 91-92% flake, fib. dms., c.l., works lb. .11 - —
10,000 lbs. to c.l., same basis, lb. .12 - —
1,000-9,999 lbs., same basis, lb. .13 - —
less than 1,000 lbs., same basis lb. .15 - —

Quotations on 91-92%, flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98% 55 gals., dms., l.c.l., works lb. .12½- .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .10½- —
USP chys lb .51 .53
Paranitroanilin, kgs., works lb. .46½- —
Paranitrochlorobenzene kgs., works, lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb. .42 - —
Paranitrotoluene, kgs., works lb. .33 - —
Paraphenetidin dms., works lb. .80 - —
Paraphenylphenol, bgs., c.l., works, lb. .30½- —
l.c.l., same basis lb. .31½- —
Paraphenylenediamine, redistilled, dms., works lb. 2.05 - —
technical, refined, dms., same basis lb. 1.05 - 1.30
Paratertiarybutylphenol, bgs., c.l., frt. equald lb .21 - —
l.c.l., same basis lb .22 - —
Parathion, spray powder, 15%, tins, dealers lb. .72 - —
tech., dms., works lb. 1.50 - 2.50
Paratoluenesulphonamide bbls., works lb 70 - —
Paratoluidin, bbls., works lb. .61 - —

Paretra brava root, whole, bgs. lb. .30 - .31
ground, bxs lb. .35 - .37
powder, bxs lb. .38 - 40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over lb. .33 - .37
l.c.l., same basis lb. .34 - .66
Passion flower herb, bls lb. .35 - .40
Patchouli leaves, bls lb. No stocks.
Peanut meal, 45%, sacked, mills ton. 85.00 -86.00
Pectin, citrous, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls lb. 1.42 1.43
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units vl. .15½- —
500,000 units vl. .28 - —
1,000,000 units vl. .52 - —
2,000,000 units vl 1.00 - —
bulk, sterile, over 25,000,000,000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,000 unit lots 100,000 units. .03½- —
procaine, bulk, over 25,000,000,000-unit lots 100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .30½- —
1,000,000 units vl. .57 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls lb. .40 - .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .23 - .28
truckload, 20,000 lbs., min., same basis lb. .20¼- —

Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3 gal .10½- 11¼
Pepper, black, bgs lb. 2.70 - 2.75
Aug. shipment, bgs lb. 1.80 - 1.85
Aug.-Sept. shipment, bgs lb. 1.75 - 1.80
Red, Carolina, longs, bgs lb. .38 - .39
Oct.-Nov delivery, bgs lb. .36 - .37
Ethiopian, stemless, bgs lb. .32½- .33
Haitian, bgs lb. .56 - .56½
Hontaka, bgs lb. .58 - .58½
Louisiana longs, bgs lb. .38 - .38½
Mexican sports, bgs lb. .35 - .36
Mississippi sports, bgs., source lb. No stocks.
Nigerian, caps, bgs lb. .38 - .39
birdseye, bgs lb. .70 - .70½
Sierra Leone, bgs lb. .42 - .43
Sudanese, small, bgs lb. .42 - .43
Turkish, bgs lb. .24 - .25
White, afloat, bgs lb. 2.85 - 2.90
Peppermint, USP, dom., bls lb. .50 - .70
imported, bls lb. .80 - .90
Pepsan NF bulk containers lb. 3.90 - —
Perchloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¾- —
l.c.l., same basis lb. .11½- —
tanks, same basis lb. .10¼- —
Perchloroethylene, dms., c.l., dlvd. E lb. .11½- —
l.c.l., dlvd. E lb. .12 - —
tanks, dlvd. E lb. .10½- —
Peru balsam, dms lb. .90 - 1.15
Petrolatum, USP, white, lily, dms., lb. .05 - —
l.c.l., same basis lb. .05½- —
cream, dms., c.l., same basis lb. .06 - —
l.c.l., same basis lb. .07¼- —
extra, amber, dms., c.l., same basis lb. .05½- —
l.c.l., same basis lb. .05¾- —

Petrolatum, USP, white, lily, dms., c.l., same basis lb. .06¾- —
l.c.l., same basis lb. .07¾- —
snow, dms., c.l., same basis lb. .06¾- —
l.c.l., same basis lb. .07¾- —
soft, dms., c.l., same basis, lb. .06¾- —
l.c.l., same basis lb. .07¾- —
yellow, soft, dms., c.l., same basis lb. .06 - —
l.c.l., same basis lb. .06½- —
Petroleum, crude bulk, at wells, California bbl. 1.10 - 2.99
Illinois bbl. 2.44 - 2.87
Kentucky bbl. 2.42 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl. 1.28 - 2.77⅝
Oklahoma-Kansas bbl. 2.16 - 2.65
Pennsylvania, lower field bbl. 3.46 - —
Upper field bbl. 3.89 - —
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.95
North, North-Central bbl. 2.23 - 2.63
Panhandle bbl. 2.23 - 2.63
West bbl. 2.10 - 2.65
Wyoming bbl. 1.28 - 2.67⅝
Ether, laboratory, 30°-60° C. 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
35°-60° C. 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. 44 - —
40°-75° C. 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
90°-160° C. ret. dms., ex tax, f.o.b San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.40 - 1.60
light, tanks, refinery bbl. 2.05 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.35 - —
Baltimore, Md. bbl. 2.18 - —
Boston, Mass. bbl. 2.20 - —
Charleston, S. C. bbl. 2.13 - —
Jacksonville, Fla. bbl. 2.02 - —
New York, N. Y. bbl. 2.05 - 2.10
Norfolk, Va. bbl. 2.18 - —
Philadelphia, Pa. bbl. 2.18 - —
Portland, Me. bbl. 2.23 - —
Providence, R. I. bbl. 2.175 - —
Savannah, Ga bbl. 2.03 - —
Diesel, tanks, refinery, California gal. .095 - .10
Pennsylvania gal. .0375- .0925
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0775- —
No. 3 gal. .07375- —
Bayonne, N. J., No. 2 gal. .081 - —
Group 3, No. 1 gal. .08 - .08625
No. 1, straw gal. .08 - .08625
No. 2, straw gal. .07375- .085
range gal. .08 - .0875
Pennsylvania, western, No. 1 gal. .095 - .09625
No. 2 gal. .09 - .095
No. 3 gal. .09 - .0925
Lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F. b.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .17 - —
group 3, benzol-type, tanks, refinery gal. .12625- —
toluol-type tanks, refinery gal. .11625- .11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14½- —
group 3, tanks gal. .10375- —
tankwagon, Baltimore gal. .18½- —
Boston gal. .17 - —
Buffalo gal. .17½- —
Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .18 - —
Providence gal. .17½- —
Rochester gal. .19 - —
Syracuse gal. .20 - —
Washington, D. C. gal. .18½- —
Naphtha, cleaners, East Coast, tanks, N.J., N.Y., refinery, gal. .15 - —
Group 3, tanks gal. .11375- —
tankwagon, Newark gal. .15½- —
New York gal. .16 - —
Philadelphia gal. .15 - —
high-flash 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .21½- .23
25-26° C., m.a.p., tanks, same basis gal. .19½- .26
270-370 b.r., 78-81° C. m.a.p., tanks, same basis gal. .25 - —
49° C., m.a.p., tanks, same basis gal. .28½- —
26-27° C., m.a.p., tanks, same basis gal. .19½- .26¼
300-400 b.r., 28-32° C. m.a.p., tanks, same basis gal. .19½- .28½
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .31 - —
32° C., m.a.p., tanks, same basis gal. .19½- —
36° C., m.a.p., tanks, same basis gal. .20½- —
340-440 b.r., 32° C., m.a.p., tanks, same basis gal. .27¾- .29
360-480 b.r., 25° C., m.a.p., tanks same basis gal. .19½- —
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles, gal. .147 - —
Portland, Ore gal .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks gal. .15½- —
Group 3, tanks gal. .11375- .11625
tankwagon, Boston gal. .18½- —
Newark gal. .17½- —
New York gal. .17½- —
Philadelphia gal. .17 - —
Pittsburgh gal. .19 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast N. J. N. Y., gal. .16 - —
Group 3, tanks gal. .11375- —
Pennsylvania, western, tanks g.l. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast N. J. N. Y., tanks gal. .15 - —
Group 3, tanks gal. .10875- —

Modern Handling Methods with ESSO SOLVENTS

Esso Solvents are handled by the most modern methods. Separate refining, storage, and shipping facilities assure you pure, *uniform* solvents . . . *prompt, efficient delivery.*

YOU CAN DEPEND ON ESSO SOLVENTS FOR

- **MODERN HANDLING METHODS** — separate tank storage, pumping lines, tank cars and trucks, are used in all Esso Solvent handling operations.
- **MULTI-STORAGE AVAILABILITY**—Water terminals in many industrial centers.
- **UNIFORMITY** — made in modern refineries from carefully selected crude oil sources.
- **ECONOMY** — closely controlled quality gives constant, efficient industrial processing, high-quality products.
- **CONTROLLED EVAPORATION** — available in a wide range of evaporation rates with precise characteristics to meet your requirements.
- **SOLVENCY** — Esso aliphatics and Solvesso aromatics cover both high and low solvency ranges.

Controlled high quality helps produce larger profits with versatile, dependable Esso Solvents

ESSO PETROLEUM SOLVENTS

SOLD IN Me., N. H., Vt., Mass., R. I., Conn., N. Y., N. J., Pa., Del., Md., D. C., Va., W. Va., N. C., S. C., Tenn., Ark., La.

ESSO STANDARD OIL COMPANY—Boston, Mass.—New York, N. Y.—Elizabeth, N. J.—Philadelphia, Pa.—Baltimore, Md.—Richmond, Va.—Charleston, West Va.—Charlotte, N. C.—Columbia, S. C.—Memphis, Tenn.—Little Rock, Ark.—New Orleans, La.

FOR TECHNICAL ASSISTANCE

If you have a solvents problem or want further information on the specifications and characteristics of Esso Solvents—write or call our office nearest you. Our technicians will be glad to assist you.

Petroleum solvent, Stoddard, tank-wagon, Boston..gal. .17 - —
Newark .....gal. .16 - —
New York .....gal. .16 - —
Philadelphia .....gal. .14 - —
Pittsburgh .....gal. .18 - —
Syracuse .....gal. .20 - —
Sulphonate, 60-62% sulphonic content, ret. dms. c.l., works, lb. .15¾- —
l.c.l., works .....lb. .16¼- —
tanks, works .....lb. .14¼- —
50-55% sulphonic content, ret. dms., c.l., works lb. .13¾- —
l.c.l., works .....lb. .14¼- —
tanks, works .....lb. .12¼- —
Phenobarbital USP dms., 100 lbs. lb 4.00 4.35
Phenobarbital-sodium, USP dms lb. 4.00 4.10
Phenol, 90-92% (cresol, ß-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies, lb. .1650- —
l.c.l., same basis.....lb. .1725- —
tanks, same basis .....lb. .1475- —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .1650- —
l.c.l., same basis.....lb. .1725- —
tanks, same basis.....lb. .1475- —
USP, synthetic, dms., c.l., same basis..lb. .17¼- —
l.c.l., same basis.....lb. .18 - —
tanks, same basis .....lb. .15½- —
tar distilled, dms. c.l., same basis..lb. .17¼- —
l.c.l., same basis.....lb. .18 - —
tanks, same basis .....lb. .15½- —
Phenolphthalein USP or yellow bbls., dms., 2,000 lbs.. lb. 1.10 - —
smaller lots..... lb. 1.12 - 1.17
Phenothiazin NF 6b. dms., 15,000 lbs. frt. adjusted lb. .44 - —
smaller lots, frt. adjusted lb. .46 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.45 - 2.70
100% bots lb 4.00 4 75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms..... lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb.30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½ -
l.c.l., works .....lb. .35 - .36½
Phenylethanolamine, dms., c.l., works lb. .67½ —
l.c.l. same basis ..... lb. .68½ —
Phenylethyl acetate, dms .....lb. 1.35 - 1.85
Phenylethylphenyl acetate, bots lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots lb. 3.00 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works .....lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, 6b. dms. works, lb.13.75 -15.75
commercial 6b dms., works .. lb. 5.50 - 7.00
tech., 6b. dms., works.....lb. 9.65 -10.75
Phosgene, 150 lb cyls., works .. lb .20½ —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton.35.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.755 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.805 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.905 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum ..... short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum short ton 6.28 - —
70% b.p.l., basis 32% P_2O_5 minimum short ton 6.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5 long ton. 6.45 - —
30-29% P_2O_5 long ton 7.21 - —
Phosphorus, red, amorphous, cs., works..lb. .42 - —
dms., works.....lb. .39 - .40
Yellow cns. .....lb. .30 .37
dms., c.l .....lb. .26 —
Oxychloride, dms., works.....lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 —
l.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works... lb. .12 - —
c.l., works lb. .13 .14
Sesquisulphide, tins, cs., works, lb. .23 - .29
dms., export lb. .33½ .36
Trichloride, dms. c.l., works.. lb. .13 - —
l.c.l., works .....lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald..lb. .17½- .19
l.c.l., same basis.....lb. .18½- .20
tanks, same basis.....lb. .17 - .18½
Bbls ½c. per pound higher.
Phthalimide bbls. works ... lb 1.10 1.35
Pichi leaves, bgs .....lb. .03 - .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF, bots., vials oz. 5.25 - —
Nitrate, USP, bots., vials .... oz. 5.20 - —
Pimento, Jamaica, bgs.....lb. .23 - .23½
Pinetar retort dms. incl., c.l., works, South..lb. .4875- —
l.c.l., same basis.....lb. .5110- —
whse., N.Y.C. .....lb. .6350- —
tanks, works, South.....lb. .3875- —
Pinkroot, bls. .....lb. 1.55 - 1.65
Piperidine 95% wks. frt. equald. lb. 1.65 —
98% dms. same basis lb 1.75 —
Piperazine hexahydrate, bots...kilo12.50 -13.25
Pipsissewa herb (see Prince's pine)
Pitch, burgundy, dms. incl., 20 or more dms., works, South. 100 lbs. 7.16 - —
whse., N. Y. C .... 100 lbs. 8.03 - —
5 to 19 dms., works, South.. 100 lbs. 7.36 - —
whse., N. Y. C .....100 lbs. 8.28 - —
1 to 4 dms., works, South 100 lbs. 7.61 - —
whse., N. Y. C.....100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works ton.34.00 - —
l.c.l., works .....ton.36.00 -37.00
Cottonseed, dms., works .....lb. .05 - .07
Hardwood, paper bgs., c.l., works, lb. .02 - —
Linseed, dms. .....lb. .06 Nom.
Petroleum (see Asphaltum, Mexican Texas)
Pine, dms., dms. inc., l.c.l., works, South..100 lbs. 3.75 - —
Soybean, dms., works ... lb. .04½- .05
Plaster of paris (see Gypsum).
Platinum metal, works.....oz.74.00 -77.00
Pokeroot bls .....lb 13 14
Pleurisy root, bls .....lb 25 - .26
Podophyllin, NF dms.....lb.12.45 - —

Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works. lb. .44 - —
smaller lots, works ... lb. .47 - .49
tristearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works. lb. .44 - —
smaller lots, works..... lb. .47 - .49
Polystyrene, colors, special, bgs., over 30,000 lbs. frt alld lb. .30 - .31
20,000-29,999 lbs. same basis lb. .31 - .31½
10,000-19,999 lbs. same basis lb. .31½- .32
200-9,999 lbs. same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs same basis lb. .31 - —
10,000-19,999 lbs. same basis. lb. .31½- —
200-9,999 lbs. same basis lb. .31½- —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs.. same basis lb. .28 - .29½
10,000-19,999 lbs.. same basis lb. .29 - .30½
200-9,999 lbs. same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs.. same basis lb. .28 - —
10,000-19,999 lbs.. same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber dms. ½c per lb higher.
Pomegranate root bark, bgs.....lb. .68 - .70

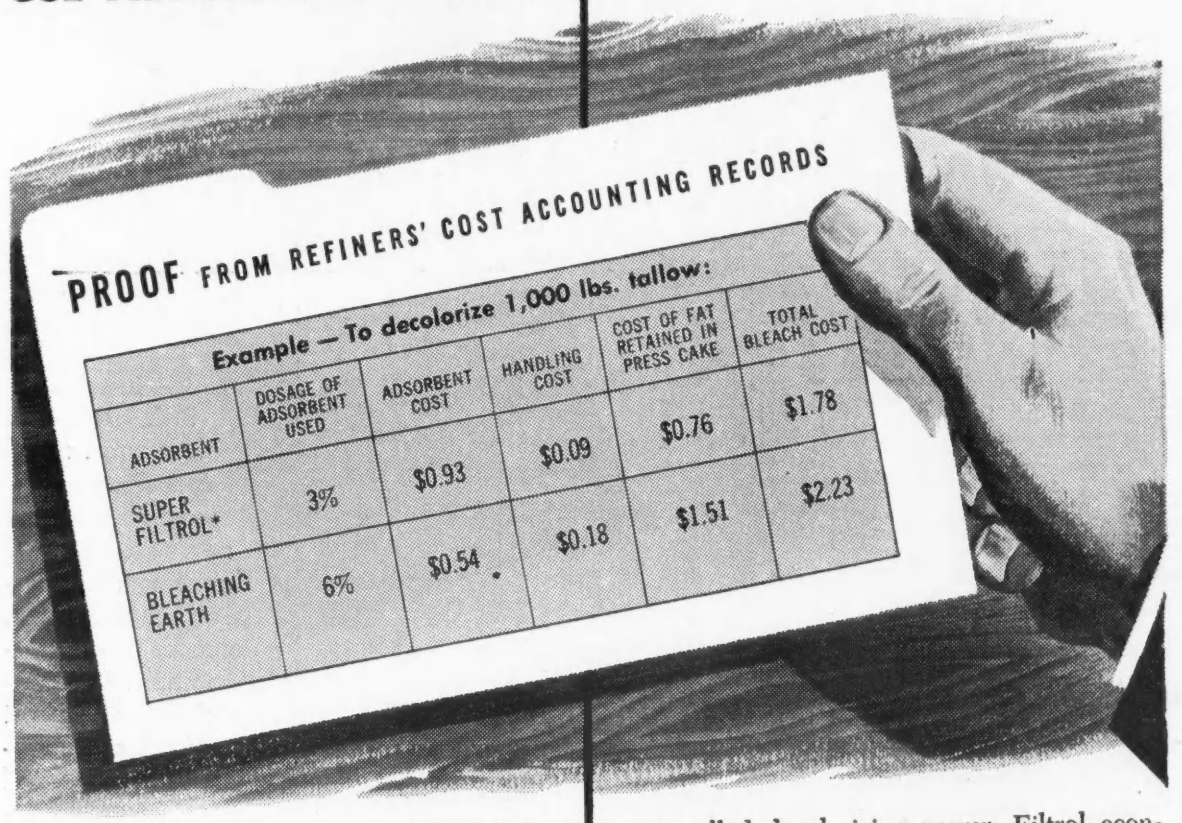
Poppy flowers, bls.....lb. .50 - 1.05
Seed, Czech, bgs.....lb. .17 Nom.
Dutch, bgs.....lb. .23½- .24
Polish, bgs.....lb. .16 Nom.
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs.10.00 - —
l.c.l., works .....100 lbs.10.75 - —
liquid, 45% dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works .....100 lbs. 5.125 - —
tanks, works .....100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works .....100 lbs.10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid 88-92%, dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms..... lb. .08 - —
Acetate, dms ..... lb. .31 - .36
Bicarbonate USP gran dms lb .20 .22
powd. dms lb .22 .24
Bichromate, bgs., works .. lb. .13¼- .14¼
Potassium bichromate in drums, ½c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works, ton.192.00 - —
ton lots, works ton.245.50 - —
less ton lots works ton 250 50 - —
Bromate, bbls., 1,000 lbs. or more lb. .49 - —
25-200-lb. lots ..... lb. .61 - —
Bromide, USP cryst., gran., bbls. kgs lb. .34 - .37

Potassium carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85% bbls., c.l., works 100 lbs. 6.75 - —
dms., l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls. dms lb 16½- .18
powd. bbls. dms ..... lb 21 .23
Chromate, tech., bgs ..... lb. .25 .29
Chlorate, cryst., dms., c.l., works. lb. .089 —
l.c.l., works lb. .0915- 1015
powd., dms., c.l., works. lb. .094 —
l.c.l., works lb. .0965- 1065
export, drms. 1 to 10 tons, ex whse lb 12 —
NF, gran dms lb 31 33
Chloride, USP, cryst., dms lb. .26 .27
gran. bbls lb 20 22
powd. bbls lb 29 .32
Citrate, USP, gran., dms .....lb. .37½- .38½
powder dms lb 40½ 41½
Cyanide, dms works ..... lb .52½- .55
Fluoride, dms. works ..... lb .24 —
Gluconate, dms. ..... lb. 75 - .79
Glycerophosphate 75% solution, cbys lb 2.05 2.20
Guaiacol sulphonate, NF, dms..lb. 1.80 - 1.85
Hydroxide, tech. (see Potash caustic), USP, pellets, jars lb .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less 6b dms lb. .90 .93
Iodide, dms lb 1.95 1.98
Manure salt, 22% K.O. bulk, mines unit-ton. .21 - —
Metabisulphite gran. bbls lb 21 —
powd. bbls lb 25 —

The Reason Why

MORE FATTY OIL REFINERS USE FILTROL ADSORBENTS

is that it costs them less per pound to refine to a better finished oil!



20% savings *PLUS* a better finished oil

Filtrol adsorbents not only save refiners money but they produce a more salable finished oil that commands a better price on the market. Those who have had practical experience choose Filtrol adsorbents for purity and unexcelled decolorizing power. Filtrol economy means only one-half to one-third as much oil loss in press cake.

Filtrol adsorbents are highly stable, can be stored indefinitely under normal dry conditions.

FILTROL CORPORATION
General Offices: 727 W. 7th Street, Los Angeles 17, California
Plants: Vernon, California and Jackson, Mississippi

Filtrol® ADSORBENTS • CATALYSTS • DESICCANTS

® T.M. Reg. U.S. Pat. Off.

Potassium Muriate—Red, Iron Oxide

Potassium muriate, dom., 60% K₂O, bulk, Carlsbad, N.M. unit-ton. .40 - —
Trona, Cal. unit-ton. .48½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
fine gran., bbls., dms lb. .30 - .32
purified, dms lb. .42 - .44
Perchlorate, dms., t.c.l. lb. .14 - .15
kgs., c.l., works lb. .13½- —
Permanganate tech. dms., works, lb. .21¾ .22¾
USP dms., works lb. .23½- .24
ex whse lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
t.c.l. works lb. .21 - —
Phosphate, tetrabasic, bbls., wks, lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .11 - —
Silicate, glass, bgs., c.l., works, ton.200.00 - —
t.c.l. 100 lbs.15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
t.c.l., 5 or more dms., works 100 lbs. 5.00 - —
1-4, dms., works 100 lbs. 5.00 - —
62° Be, net, dms., c.l., works, 100 lbs. 4.75 - —
t.c.l., 5 or more dms., works 100 lbs. 5.50 - —
1-4, works, dms 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
t.c.l., 5 or more dms., 100 lbs. 6.50 - —
1-4, dms., works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb. .07 .08

Potassium sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min., 90%, works, ton.34.50 - —
NF, cryst., bbls. lb. .31 - .33
gran., dms lb. .18½- —
powder, dms lb. .16 - .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms lb. .75 - .81
tech. works lb. .45 .50
Titanate, ctns., c.l., works lb. .12 —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12¼- .12¾
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works ton.15.20 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib, dms., works lb. .45 - .55
Potassium-titanium oxalate bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib, dms. c.l., works lb. .50 - —
t.c.l., works lb. .52½- .55
Pregnenolone gm. 4.00 - —
Acetate gm. 4.00 - —
Prickly ash bark, bls. lb. .23 - .25
Berries, bgs lb. .55 - .75
Prince's pine herb, bls. lb. .45 - .50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.50
spot lb. 4.00 - 5.00
Progesterone, USP, 100 gms. gm. 4.50 - —
Propane commercial grade 3 gal. .02¼- —
Propionaldehyde, dms., c.l., works lb. .28½- —
t.c.l., works lb. .29½- —
tanks, works lb. .25 - —

Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .08½- —
t.c.l. lb. .09½- —
smaller containers lb. .12½- —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .18½- —
t.c.l. frt allid E lb. .19½- —
tanks, frt. allid. E lb. .16½- —
Propyleneglycol NF, dms., c.l., frt. allid. E lb. .17½- —
t.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. allid. E lb. .16½- .17¾
t.c.l., same basis lb. .17½- .18¾
tanks, same basis lb. .15 - .16
Methylether, dms., c.l., frt. equald, lb. .18 - —
t.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Propylthiouracil, bots., 50 kilos or more kilo.55.00 - —
smaller lots lb.55.10 -55.30
Psyllium seed, black, bgs. lb. .17 Nom.
blonde, bgs. lb. .23 - .24
husks, bgs. lb. .65 - .66
Pulsatilla herb, bls lb. .45 - .50
Pumice, dom., grd. coarse, 0-½, 1, 1½, 2, 3 bgs., ton lots, lb. .03⅝- .04
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03⅜- .04¼
Italian, silk-screen, coarse, bgs., ton lots lb. .05½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½- —
fine, bgs., ton lots lb. .02½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs. lb. .18 - .36
Purple lake (see Red).

Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb 11.00 -11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc., odorless base, dms., works gal. 9.50 - —
regular base, dms. works, gal. 9.40 - —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works gal.14.15 - —
regular base, dms., works gal.14.05 - —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l gal. 2.00 2.69
t.c.l gal. 2.00 2.72
reid. 2°, non ret. dms., c.l., same basis lb. .79½- —
t.c.l., same basis lb. .80 - —
Pyridoxine hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 - —
Pyrocatechin (see Catechol)
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
230 mesh, bulk, c.l., mines ton.12.00 -12.50
325 mesh, bulk, c.l., mines ton.15.00 —
No. 3, 200 mesh, bulk, c.l. mines, ton 9.50 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton.12.00 -12.50
rubber grade 140 mesh bgs., c.l., mines ton.10.00 -10.50
Pyrophyllite in paper bgs. $3 to $3.50 per ton extra.
Pyroxylin, USP, bots lb. 9.54 - —
Scrap, opaque, amber, cs., works, lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .13 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works lb. .17 - —
dense, cs., works lb. .16 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs. works, lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .14 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs. c.l., lb. .14¾- .15
liq., 35% tannin, bbls., works, lb. .08 - .08½
tanks, same basis lb. .07½- —
clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin bgs., c.l lb. .15½- —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08¾- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .14 .15
Quercitron crystals, bbls., t.c.l lb. .33½- —
Extract, liquid, bbls., t.c.l lb. .14½- —
solid bxs lb. .28 - —
Quicksilver, flasks (76 lbs.) net, 1,000 flask lots, Sept.-Oct. arrival flask.75.50 -76.00
100 flask lots, same basis flask.79.00 - —
smaller lots flask.80.00 - —
Quince seed, bgs. lb. .90 - 1.50
Quinhydrone, NF V, cryst., cns oz. 1.90 - —
powd., precip., cns oz. 1.85 - —
Sulphate, USP, cns oz. 1.25 - —
Quinine, NF, cns., 100 ozs oz. .70 - —
Bisulphate, USP, cns., 100 ozs oz. .51 - —
Dihydrochloride, USP oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs, oz. .75 - —
Hydrobromide, NF, cns., 50-oz. cns, oz. .63 - —
Hydrochloride, USP, cns., 100 ozs, oz. .63 - —
Phosphate, NF, cns., 100 ozs oz. .76 - —
Salicylate, NF, ctns., 100 ozs oz. .66 - —
Sulphate, USP cns., 100 ozs oz. .56½- —
Quinine-urea hydrochloride, NF, cns lb. .68 - —
Quinolin, dms., c.l., frt. equald lb. .50¾- .51¼
t.c.l., same basis lb. .51¼- .51¾
tanks, same basis lb. .50 - —

R

R salt, paste, dry basis, dms lb. .70 - .83
Raspberries, dried, bbls lb 1.60 - 1.70
Red, alizarin lake, bbls., dlvd. N of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb 1.45 - 2.25
Prices 1½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¾c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.60 - —
light shade, bbls., same basis, lb. 3.65 - —
medium shade, bbls., same basis lb. 3.75 - —
medium-light shade, bbls., same basis lb. 3.70 - —
orange shade, bbls., same basis lb. 3.30 - —
lithopone, deep shade, bbls., same basis lb. 1.45 - —
light shade, bbls., same basis lb. 1.30 - —
maroon shade, bbls., same basis lb. 1.55 - 1.65
medium shade, bbls., same basis lb. 1.40 - —
medium-light shade, bbls., same basis lb. 1.35 - —
orange-red shade, bbls., same basis lb. 1.25 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.40 - —
Indian, dom., pure, bgs., Bethlehem Easton, E. St. Louis, N Y lb .11½- 11¾
Iron oxide, synth., bgs. lb. .11¾- .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼ .09¼
special, high color, all shades lb. .60 - —

SIFT PROOF MOISTURE PROOF TOUGH AS A PIG'S NOSE!

Fulton W. P. P. L. bags cost less than rigid containers, save on storage space, reduce cost of handling and shipping. Made from durable, tough burlap or cotton material laminated with waterproof adhesive to a special, crinkled Kraft paper lining. Positively sift proof and moisture proof, and much stronger than unlined textile bags. Fulton W.P.P.L. bags (waterproof paper lined) are ideal containers for export and domestic shipments of hygroscopic materials, lawn and garden mixtures and other special fertilizers.

Investigate the advantages of these modern containers for your product. Write the Fulton branch nearest you.

NATIONALLY RECOGNIZED QUALITY

The high quality of Fulton Multiwall paper bags has won broad recognition from the largest users in many industries, who have favored us with orders. Our new modern plant in New Orleans is producing all types of Multiwalls. Give us a call on your next order.

Fulton BAG & COTTON MILLS
Atlanta • New Orleans • Dallas • St. Louis • Kansas City, Kans.
Minneapolis • Denver • Los Angeles • New York, 434 Broadway

Red, Lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .65½ - .80
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb 1.35 1.50
Cadmium, deep, bbls., works lb 1.20 - —
regular, bbls., works lb 1.10 - —
Iron oxide bgs., l.c.l., works lb .04 - —
MNPT toner, kgs., works lb 3.25 - —
Maroons in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works lb 2.00 - —
smaller lots, works lb 2.02 - —
Metallic, bbls., works lb. .02½ - .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. 06¾ .07
Para toner, bbls. lb. .69½ - .80
chlorinated, kgs lb 95 1.05
concentrated alizarin lake, kgs., works lb 80 - —
Phloxin toner (see Red, eosin toner).
Phosphotungstic rhodamine Y, kgs., works lb 4.45 - —
Pink lake, alizarin, bbls., works lb. .20 - .23
Purple lake, kegs lb. 1.35 - —
Rose lake alizarin, bbls., works lb. .25 .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½ - .05¾
l.c.l., ex dock lb. .05¾ .06
ex whse., New York lb. .06½ —
grade 2, bbls., c.l. ex dock lb. .05¼ .05½
l.c.l., ex dock lb. .05½ - .05¾
ex whse., New York lb. 06¼ —
Toluidin toner (MNPT) kgs. works lb 1.01 1.30
Turkey, bbls., works lb. .14½ - —
Tuscan, bbls., frt equald lb. .24½ .25
Venetian, bbls. bgs. works lb. .0360 - —
20% bgs. works lb. .0360 - —
25% bgs. works lb. .0410 - —
30% bgs. works lb. .0440 - —
35% bgs. works lb. .0465 - —
40% bgs. works lb 0490 - —
Vermilion, Amer., bbls lb .22 - —
Quicksilver ctns lb 2.27 - —
Red Precipitate NF powd. 6lb dms lb. 2.19 - 2.21
Red saunders wood powd. bbls lb. .50 - —
Rennin NF lb 6.50 - —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works lb. .72 - —
tech., dms., c.l. works lb. .74 - —
l.c.l., works lb. .75 - —
USP cryst., dms. works lb 2.50 - —
powd., dms works lb 2.70 - —
Monoacetate NF dms lb 3.25 3.45
Rhatany root, bgs lb. .15 - .16
Rhubarb root, China, whole, cs lb. .70 - .80
powd., bbls. lb. .80 - .90
India, whole, bgs lb. .55 - .60
powdered, bbls lb. .62 - .67
Riboflavin, USP, bots., dlvd kilo. 125.00 - —
Readily soluble, bots., dlvd kilo. 125.00 - —
Rice bran concentrate dms, Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .27½ - —
smaller lots .28 - .33
Rose flowers, pale bls lb. .35 .40
Rosemary flowers, bls lb. 1.52 - 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .07½ - .07½
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 3.50 - —
FF, dms., c.l., works 100 lbs. 4.60 - —
G, H, I, dms., c.l., works 100 lbs. 5.30 - —
K, dms., c.l., works 100 lbs. 5.30 - —
M, dms., c.l., works 100 lbs. 5.30 - —
N, dms., c.l., works 100 lbs. 5.85 - —
WG, dms., c.l., works 100 lbs. 6.01 - —
WW, dms., c.l., works 100 lbs. 6.06 - —
X, dms., c.l., works 100 lbs. 6.16 - —
Rotenone, CP, bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 45.00 - —
Rue herb bls lb. .35 - .40
Rutin, 10 kilos, fib, dms. gram. .03½ - .04½
smaller lots, fib dms gram. .04 - .05
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .70 - —
activated ground with lime, bbls lb. .40 - —
Saccharin, USP gran., soluble, dms., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.60 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb 1.55 —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .75 - .80
Saffron, Mexican, bls lb 95. 1.00
Spanish, USP, tins lb. 17.50 - 18.00
Safrol, dms. lb. .85 - 1.10
Sage, Cyprus, bales lb. .12 - .13
Dalmatian, bls lb. 1.25 - 1.30
Greek, fancy, bls lb. .23 - .25
Spanish, bls lb. .11 - .12
Syrian, bls lb. .17 - .17½
Sago flour, bgs lb. .07¼ - .07½
Saligenin, ctns lb. 14.00 - 25.00
Salol, NF gran., bbls., kgs lb 1.00 —
fib dms lb 1.02 1.03
powdered salol 10c higher
Salt rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 - 1.22
paper bgs., c.l. 100 lbs. .88 - —
l.c.l. 100 lbs. 1.09 1.12
Table, vacuum common fine, bgs., c.l. works 100 lbs. 98 1.08
l.c.l. dlvd 100 lbs. 1.20 - 1.32
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 15.00 - —
Saltpeter, cryst. bbls., 10 tons. 100 lbs. 13.90 - —
smaller lots 100 lbs. 14.15 - 14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 - 11.00
powd., bbls., 20 tons 100 lbs. 10.25 - —
smaller lots 100 lbs. 11.50 - 12.00
NF, gran. dms lb. 15¾ .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms. lb. .75 - .76
Sanguinarine nitrate bots oz. 4.75 5.50
Santonin NF cryst. powd. ens. kilo. No stocks.
Saponin No 1 ens lb. 2.45 —
Sarsaparilla root, dom., bls lb. .30 - .40
Honduras, bls lb. .40 - .45
Mexican, bls lb. .30 - .32
Sassafras bark ord., bls lb. .35 - .40
select bls lb. .50 - .55
Savory, French, bls lb. .11 - .11½
Spanish, bls lyb. .10 - .10½
Saw palmetto berries bgs. lb. .23 - .24
Scammony resin, lump, ens lb. 1.95 - 2.20
powd., ens. lb. 2.05 - 2.30
Root bgs lb. .11 - .14
Schaeffer's salt, bgs lb. .73 - —
Scopolamine hydrobromide, bots oz. 16.00 - 17.00
hydrochloride, bots oz. 84.00 - —
Seidlitz mixture, bbls., 5,000 lbs. lb. .25¾ - —
smaller lots lb. .26¼ - —
dms., 100 lbs. or less lb. .27¼ - .31¼
Selenium, powd., ens., 10-lb lots lb. 2.35 - —
cs., 1,000-lb lots lb. 2.25 - —
Senega root, bls lb. 1.70 - 1.80
Senna leaf, Alex., half-leaf, bls lb. .16 - .18
sifting, bgs. lb. .16 - .18
Tinnevelly, No. 1, bls lb. .20 - .24
No. 2, bls lb. .16 - .20
No. 3, bls lb. .12 - .13
powdered, bls., bxs lb. .20 - .24
Pods, bls lb. 12 15
Serpentaria root, bls lb. 2.20 Nom.
Sesame seed, Chinese, white, natural, afloat, bgs lb. No prices
hulled, bgs lb. .17½ - .18
Nicaragua, hulled lb. .22 - .23
natural, bgs lb. No prices
Salvadorean lb. .13 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .51½ - —
bbls., 1,500-lb. lots lb. .52 - —
kgs., 1,500-lb. lots lb. .54 - —
refined, bgs., 1,500-lb. lots lb. .61½ - —
bbls., 1,500-lb. lots lb. .62 - —
kgs., 1,500-lb. lots lb. .64 - —
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .48 - .49
No. 2, bgs lb. .46 - .47
Superfine, bgs., 10 bgs lb. .44 - .45
TN, bgs., 10 bgs lb. .42 - .43
Shellac in 1 to 9 bgs., 1c. more.
Silica amorph., dry-grd., 325 mesh bgs., c.l., Ill. works ton. 20.00 - 20.00
l.c.l., works ton. 25.00 - 40.00
hard-quartz, 99½%, 325 mesh bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 - —
140 mesh, bgs., c.l., works ton. 12.00 - —
l.c.l. works ton. 17.00 - —
Tetrachloride tech., dms., c.l. works lb. .14½ - —
l.c.l., works lb. .18½ - .20½
Silver bullion, ingots, cs oz. .72¾ - —
Cyanide, 6lb. dms., 2,500-oz. lots. oz. .66¾ - —
1,000-oz. lots oz. .66⅝ - —
500-oz. lots ob. .66¾ - —
100-oz lots oz. .67¼ - —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½ - —
1,000-oz. lots oz. .47⅝ - —
500-oz. lots oz. .48½ - —
250-oz. lots oz. .48¾ - —
USP granular silver nitrate 4c. per oz higher
Proteinate, mild USP, bots. dms., 1,000-oz. lots oz. .93 - —
strong, NF bots. dms. 1,000-oz. lots oz. .90 - —
Simaruba bark bls lb 85 Nom.
Skullcap herb, Eastern, bls lb. .60 65
Western, bls lb .30 35
Skunk cabbage root, bls lb .30 35
Slate flour bgs. c.l. works ton. 11.00 - 12.00
l.c.l. ex whse ton. 20.00 - 60.00
Sloe berries, bgs lb. .32 .33
Smalt, black, ctns lb. .11½ - —
Blue, ctns lb .15½ - —
Snakeroot, Canada, bls lb. .45 - .50
Soapbark, bls lb .22 .23
crushed, bls., bbls lb. .26 - .28
cut, foreign, bbls lb .25 .26
powd., bbls. lb. .27 - .28
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.45 - —
l.c.l., stock points 100 lbs. 2.85 - 4.62
bbls., c.l., works 100 lbs. 1.95 - —
l.c.l. stock points 100 lbs. 3.35 - 5.12
bulk, c.l., works 100 lbs. 1.20 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.35 - —
l.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 1.85 - —
l.c.l. stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.10 - —

Red, Lake C Toner—Sodium Benzoate

Soda, caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.60 - —
l.c.l., stock points 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.50 - —
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 - —
solid, 76%, dms., c.l., works, 100 lbs. 3.20 - —
l.c.l., stock points 100 lbs. 4.55 - 6.42
Sal, bgs., c.l., ex car 100 lbs. 1.58 - —
l.c.l., bgs., ex whse 100 lbs. 1.78 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate anhyd., dms. works lb 10 11¼
NF, cryst., bbls., works lb. .16 - —
powder, bbls., works lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls. works lb 46 - —
NF white, powd. dms., works, ton lots lb 1.25 - —
Aluminate, 20,000 lbs. or more, bgs 100 lbs. 8.50 - —
under 20,000 lbs., works 100 lbs 9.50 - —
Antimoniate, bbls., c.l., dlvd. E lb. .22½ - —
l.c.l., dlvd. lb. .24¼ - —
Arsenate, dealers, dms., c.l., works. lb. .12 - —
Arsenite, dealers, dms., works lb. No stocks.
solution, dms. works gal. .60 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 —
USP, bbls. dms. 100 lbs or more lb 46 —
smaller lots lb 1.50 1.63

When You Specify
SOLVAY Products
for Paper ···
. . . you get the ultimate in quality – the kind of quality you would expect from America's leading producer of alkalies. But in addition, you get the fast, dependable delivery service which can only come from a company having more than one plant . . . and over 200 local stock points from coast to coast. You also get Solvay's exclusive Technical Service . . . men specially trained in the paper industry.
SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
SOLVAY
PRODUCTS for the Paper Industry
CAUSTIC SODA
LIQUID CHLORINE
SODA ASH
AMMONIUM CHLORIDE
CALCIUM CHLORIDE
Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Sodium Bicarbonate • Specialty Cleansers • Sodium Nitrite
Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sodium Bicarbonate—Sodium-Zirconyl Sulphate

Sodium bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.35 - —
t.c.l., works 100 lbs 3.00 — —
powd., bgs., c.l., works 100 lbs. 1.95 - —
t.c.l., works .... 100 lbs 2.60 - —
Bichromate, bgs., works ..... lb. .09¾ - .10¾
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
t.c.l., same basis ..... lb. .13½- —
Bisulphate, bulk, c.l., works... 100 lbs 1.75 - —
dms., c.l., works ..... 100 lbs 2.40 - —
t.c.l. works ..... 100 lbs 2.90 - —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.75 - —
t.c.l., works 100 lbs 4.00 - —
solut. 35° bbls., c.l., works.. 100 lbs. 1.10 - —
t.c.l., works ... 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, jars, dms lb 7.00 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works..100 lbs. 2.55 - —
t.c.l., works .....100 lbs. 2.75 - —
Chlorate, cryst., dms., c.l., works lb. .08 - —
t.c.l., works ..... lb. .08¼- —
powd., kgs., works ..... lb. .09½- —
Chloride, tech. (see Salt).
USP, dms ..... lb. .21 - —
Chlorite, tech. dms. works lb. .75 - —
Chloroacetate, tech. dms., c.l., works lb. .20 - —
t.c.l. dms. works .... lb .21 .22
Chromate, dms., works..... lb. .11½- .12½
Sodium citrate, anhyd, dms..... lb. .60 - .65
USP VIII, dms ..... lb. 21½- .26½
USP XIII, gran., dms ..... lb. .28 - .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works, lb. 1.10 - —
smaller lots, works ..... lb. 1.25 - —
Cyanide, 96-98%, dms. ..... lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12½
anhydrous, dms., works lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
t.c.l., works ..... lb. .10¾- .11
95%, bbls., c.l., works... lb. .10¾- —
t.c.l., works ..... lb. .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
tribasic, ton lots .. lb.11.00 - —
Formate, bgs. c.l., dlvd... 100 lbs. 7.10 - —
t.c.l. ..... 100 lbs 8.15 — —
Gluconate. dms. lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.53 - —
smaller quantities, dlvd lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls, lb. 1.65 - 1.80
powder, bbls. ..... lb 1.70 1.85
solution, 75% cbys ..... lb .96 - 1.06
Hydride, dms., works ..... lb 2.00 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .22 - —
t.c.l., frt. alld ..... lb. .22½- .24½
Hydroxide tech. (see Soda, caustic).
USP, pellets, dms ..... lb. .23 - —
Sodium hypophosphite, NF, ton lots and less, dms..lb. .85 - .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area.. 100 lbs. 4.10 - —
tech., cryst., bgs., c.l., works, frt. equald..100 lbs. 3.75 - —
t.c.l., same basis .100 lbs. 4.10 - —
pea, bgs. .....100 lbs. 3.90 - 4.85
gran., bgs., c.l., works...100 lbs. 4.00 - —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, bots., dms ..... lb. 2.47 - 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works, lb. .13 - .14
Metaborate, octa-hydrate gran., bgs., c.l., works ton.73.00 - —
t.c.l., works ton.118 00 -123.00
tetrahydrate. c.l., bbls., works. ton.184.50 - —
Sodium metaborate in bbls. $20 per ton higher.
Metal, tanks, works ..... lb. .16 - —
bricks, dms., works ..... lb. .17 - .18
Metanilate, bgs. (100% basis) . lb. .57 - —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.60 - —
t.c.l., dms., works.....100 lbs. 4.85 - —
pentahydrate, ogs., c.l., works. 100 lbs. 3.50 - —
t.c.l., bgs., works 100 lbs. 3.90 - 6.40
bbls., c.l., works . 100 lbs. 3.90 - —
t.c.l., bbls., works .100 lbs. 4.30 - —
Molybdate, anhyd., works .... lb. .54 - —
Monohydrate (see Sodium carbonate, monohydrated).
Napthionate, bbls.....lb. .66 - —
Sodium nitrate, crude, dom., bgs., c.l., works..ton.48.50 - —
bulk, c.l., works. .....lb.45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse ton.51.50 - —
bulk, c.l., same basis...ton.48.00 - —
Nitrite, 99½%, bbls., c.l., works, frt. equald..lb. .07¼- —
t.c.l., same basis.....lb. .08¾- —
USP, dms.....lb. .21 - —
Orthosilicate, anhyd., dms., c.l., works .100 lbs. 5.25 - —
t.c.l., same basis.....100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 - —
t.c.l., works..... 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works.... lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb. 3.50 - —
smaller lots ..... lb. 3.65 - —
Para-aminosalicylate, dms., 1,000 lbs. or more. lb. 5.25 - —
smaller lots ..... lb. 5.30 - 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald . lb. .21½- —
t.c.l., same basis lb. .22½- .24½
pellets, bgs., c.l., same basis lb. .21 - —
t.c.l., same basis lb. .22 - .24
powd., bgs., c.l., same basis lb. .20 - —
t.c.l., same basis lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works. lb. .13¾- —
t.c.l., works ..... lb. .19¼- —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .18 - —
t.c.l., same basis ..... lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms lb. .38 - .39
powd., dms. .. lb. .41 - .42
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 6.75 - 7.00
t.c.l., works ....100 lbs. 7.25 - 7.50
cryst., ogs. c.l., works. 100 lbs. 4.00 - —
t.c.l., works ....100 lbs. 4.40 - —
USP, dried, powd., bgs., dms. works lb. .19 - .20½
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.80 - —
t.c.l., works .....100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l., wks., frt. equald..100 lbs. 3.90 - —
t.c.l., same basis..100 lbs. 4.30 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Prussiate, yellow, bgs..... lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.50 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 7.15 - —
t.c.l., frt. equald..100 lbs. 7.55 - —
Salicylate, USP, dms..... lb. .61 - .63
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
t.c.l., dlvd. zone 1.....100 lbs. 3.70 - 4.10
zone 2.....100 lbs. 3.96 4.36
zone 3.....100 lbs. 4.25 - 4.65
zone 4..... .100 lbs. 4.96 - 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W of 96°, Kan., Neb. W of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah. Wyo., and El Paso. Tex.
bbls. c.l., works... 100 lbs. 2.45 - —
Sesquisilicate, bbls., c.l., works. 100 lbs. 4.15 - —
t.c.l., dlvd.....100 lbs. 5.40 - 5.65
tanks, works.....ton.16.00 -17.00
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.10 - —
t.c.l., works.....100 lbs. 1.45 - 1.85
tanks, works.....ton.17.00 - —
52°, turbid., dms., c.l., works. 100 lbs. 1.90 - —
t.c.l., works.....100 lbs. 2.25 - —
tanks, works.....ton.33.00 - —
solid, bgs., works.....ton.50.00 - —
Silicofluoride, bbls., c.l., works lb. .04½- —
t.c.l., works ..... lb. .049 - —
Stannate, dms., works, frt. alld E. lb. .569 - .623
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works .... lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16½
tech., anhyd., bgs., c.l. works. 100 lbs. 2.00 - —
t.c.l., works ... 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls ..... lb. .17 - .19
gran., bbls. ..... lb. .17 - .17½
Sulphide, flake, bbls., c.l., works, frt. equald..100 lbs. 4.50 - —
t.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 - —
t.c.l. same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald 100 lbs. 2.50 - 2.75
t.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
t.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works 100 lbs. 4.10 - —
t.c.l., works .....100 lbs. 4.50 - 4.75
bbls., c.l., works.....100 lbs. 4.50 - —
t.c.l., works .....100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. ..... lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
t.c.l., works ..... lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works. lb. .03 - —
t.c.l., works ..... lb. .03¼- —
Thiocyanate, CP, dms..... lb. .55 .65
tech., dms., works lb .30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls ..... lb. .10 .12
Titanate, clns., c.l., works..... lb. .10 - —
5 tons, works ..... lb. .10¼- —
1 ton or less, works..... lb. .10½- .11
Trichloroacetate, dms. ..... lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald..... 100 lbs. 7.25 - —
t.c.l., same basis...100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd., East lb. 1.25 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dlvd., dms lb. .22 - .22½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works. lb. .16½- —
t.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works....lb. .28 - —
less 1,000 lbs., same basis...lb. .30 - —

Consumers like the clean, sturdy look of WIRZ Tubes as well as their safety and easy-to-use features. These attractive, shatterproof containers keep your product fresh, uncontaminated for its entire life.

WIRZ Tubes can be made in many standard sizes and openings in aluminum, tin, tin-coated lead and lead. Should your product require compatibility tests or a highly specialized tube with applicator tip, WIRZ Engineers can help you work out a market-wise solution — as they have for many packaging leaders. Sidestep packaging pitfalls. Call our representative today.

- Collapsible Metal Tubes
- Lacquer Linings
- Wax Linings
- Westite Closures
- Soft Metal Tubing
- Household Can Spouts
- Applicator Pipes
- Compression and Injection Molding

ESTABLISHED 1836 A. H. WIRZ Inc.

America's Pioneer Tube Manufacturer

2304 W. Townsend St., Chester, Pa.

Export Division—768 Drexel Bldg., Philadelphia 6, Pa.

New York 17, N.Y. 50 E. 42nd St. | Chicago 4, Ill. 80 E. Jackson Blvd. | Memphis 2, Tenn. Wurzburg Bros. | Los Angeles 36, Calif. 435 S. LaCienega Blvd. | Havana, Cuba Roberto Ortiz Planos & Son

Each year millions of bottles are washed with mixtures based on Nacconol. And that's just one small part of the sanitation problem on dairy farms, at receiving stations, in bottling plants and at the point-of-sale.

when CLEAN means... Dairy Clean!

specify Nacconol*

AMERICA'S LEADING SYNTHETIC DETERGENT

here's why:

Nacconol provides the lowest cost combination of wetting, washing, dispersing and emulsifying.

Nacconol accelerates the bactericidal action of alkaline washing compounds.

Nacconol functions equally well in hot or cold, acid, alkaline or neutral solutions.

Nacconol is America's first mass-produced, low priced synthetic detergent . . . still leads in production, performance and profits for mixers.

Available in flake, powder or bead form.

For prompt delivery, write, wire or phone our nearest office.

NATIONAL ANILINE DIVISION

ALLIED CHEMICAL & DYE CORPORATION

40 RECTOR STREET, NEW YORK 6, N.Y. • BOwling Green 9-2240

Boston 14, Mass., 150 Causeway St.	CApitol 7-0490	Richmond 19, Va., 8 North Fifth St.	Richmond 2-1930
Providence 3, R.I., 15 Westminster St.	DExter 1-3008	Columbus, Ga., Columbus Interstate Bldg.	Columbus 3-1029
Philadelphia 6, Pa., 200-204 S. Front St.	LOmbard 3-6382	Greensboro, N.C., Jefferson Standard Bldg.	GReensboro 2-2516
San Francisco 5, Cal., 517 Howard St.	SUtter 1-7507	Chattanooga 2, Tenn., James Building	CHattanooga 6-6347
Portland 9, Ore., 730 West Burnside St.	Beacon 1853	Atlanta 2, Ga., 140 Peachtree St.	CYpress 2021
Chicago 54, Ill., The Merchandise Mart	SUperior 7-3387	New Orleans 12, La., Cotton Exchange Bldg.	Raymond 7228
Charlotte, 1 N.C., 201-203 West First St.	CHarlotte 3-9221	Toronto 2, Canada, 137-143 Wellington St. W.	Elgin 8495

*Reg. U. S. Pat. Off.

Solvent Naphtha—Tetraethylenepentamine

Solvent naphtha, coaltar, tanks, works gal. .25 • .3235
high-flash, tanks, works gal. .25 • .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .38 • —
150°F, flash, tanks same basis-gal. .28 • —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .30 • .31
10,000 to 20,000 lbs., works lb. .32 • .33
smaller lots, works lb. .35 • .38
tristearate, fib. dms., 20,000 lbs. works lb. .30 • —
10,000 to 20,000 lbs., works lb. .32 • —
smaller lots, works lb. .35 • .37
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 • —
ton lots to 5 tons, works lb. .32 • .33
powd., dms., ton lots to 5 tons, works lb. .38 • .39
solution, commercial, aqueous, dms., c.l., works lb. .22¼ • —
ton lots, works lb. .23¼ • —
less ton lots, works lb. .24 • —
tanks, works lb. .21¼ • —
regular, 70%, aqueous, dms., c.l., works lb. .16¼ • —
ton lots, works lb. .17 • —
less ton lots, works lb. .17½ • —
tanks, works lb. 15½ • —
Soybean meal, 41% bulk, Decatur, ton. 71.00 • —
50%, same basis ton. 83.00 • —
protein, chemically isolated, 40,000 lbs., dlvd lb. .24 • —
20,000 lbs., same basis lb. .24¼ • —
smaller lots, same basis lb. .24½ • .28
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600 • —
20,000 lbs., same basis lb. .0615 • —
smaller lots, same basis lb. .0630 • —
Sparteine sulphate, cns. oz. .85 • 1.25
Spearmint leaves, bls. lb. .52 • .55
Spikenard root, bls lb. .36 • .40
Spruce extract, liq., reg., tanks, works lb. .01¾ • —
powd., super, bgs., c.l., works, lb. .05¼ • —
Squaw vine leaves, bls. lb. .30 • .35
Squill, red, fortified, powd., bbls. boxes lb. 1.60 • —
White, bls. lb. .11 • .13
powd., bbls., bxs. lb. .16 • .18
St. Ignatius beans, bgs. lb. No stocks.
St. John's bread, edible, bls lb. .13 • .18
Stainless steel flake, dry, dms., works lb. 1.50 • —
paste, dms., works lb. 1.25 • —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.92 • —
Chicago 100 lbs. 5.27 • —
l.c.l., 100 lbs. 6.07 • —
powd., paper bgs., c.l. 100 lbs. 6.03 • —
Chicago 100 lbs. 5.38 • —
l.c.l. 100 lbs. 6.18 • —

Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.

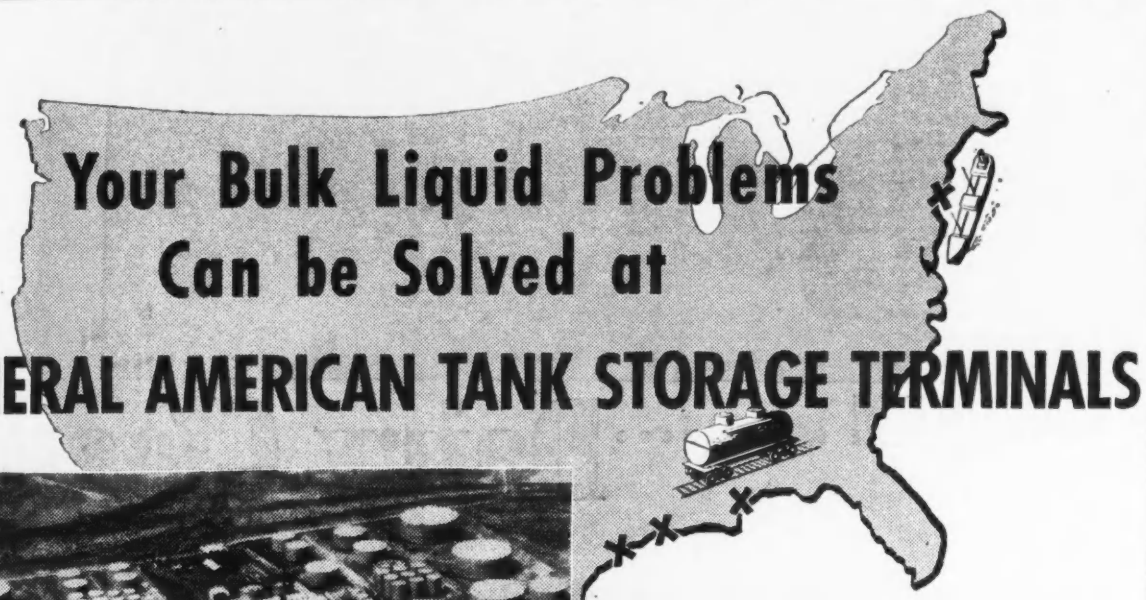
Potato, Idaho, bgs., c.l., works lb. .05¼ • —
Maine, bgs., c.l., works lb. .05¼ • —
l.c.l., spot lb. .07¼ • .07½
Rice, bgs. lb. .10¾ • .11
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs. lb. .0606 • .0626
Stavesacre seed, bgs. lb. .50 • .51
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 • .38
Stoneroot, bls. lb. .07½ • .08
Storax, USP, cs. lb. 1.50 • 1.60
Stramonium leaves, bgs. lb. .22 • .24
Seed, bgs. lb. .20 • .21
Streptomycin, hospitals, vials gram. .60 • —
wholesalers, vials gram. .48 • —
Strontium bromide, NF, cns., dms., lb. .67 • —
Carbonate, 90%, dms. lb. .15½ • .16¼
Chloride, tech., bbls. lb. .22 • .24
Chromate, bbls., works lb. .50 • —
Iodide, jars, 25 lbs lb. 3.60 • —
Nitrate, bbls., c.l., works lb. .09¼ • —
l.c.l., works lb. .10¼ • —
Oxalate, bbls., works lb. .42 • .44
Salicylate, NF, dms lb. 1.65 • 1.32
Sulphate, air-floated, 90% 325 mesh, bgs., works ton. 56.70 • 66.15
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 • 2.85
Strophanthin, NF, bots oz. 39.00 • —
Strophanthus seed, Kombe, bgs lb. 3.00 • 3.25
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 • —
Phosphate, NF, 100 ozs. oz. 1.14 • —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 • —
Styrene, monomer, dms., c.l., works. lb. .17¾ • —
l.c.l., works lb. .18¾ • —
tanks, works lb. .16½ • —
Styroly acetate, bots lb. 2.50 • 3.10
Sucrose octa-acetate, benz., bbls., l.c.l., works lb. .60 • —
tech., bbls., l.c.l., works lb. .55 • —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms. lb. 4.25 • 4.60
Sulphabenzamide-sodium, dms lb. 4.25 • 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb. 11.25 • 11.75
microcrystals, 99%, not over 10 microns, dms lb. 10.50 • 11.00
powder lb. 10.25 • 10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb. 12.25 • 12.75
powder lb. 11.25 • 11.75
Sulphaguanidin, USP, dms lb. 4.50 • 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms lb. 10.55 • 11.05
powder, dms lb. 10.25 • 10.75
Sulphamerazin-sodium, USP, dms., lb. 11.25 • 11.75
Sulphamethazine, micro crystals lb. 8.80 • 9.30
powder lb. 8.50 • 9.00
Sulphanilamide, USP, crystals, free flowing lb. 1.15 • 1.35
microcrystals lb. 1.30 • 1.50
powder lb. 1.05 • 1.25
Sulphanilamidoquinoxaline, veterinary, dms lb. 9.00 • 9.25
Sulphapyridin, NF, powd., bots., tins, lb. 7.00 • 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 • 8.00
Sulphathiazole, USP, crystals, free flowing lb. 3.50 • 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 • 3.55
powder, dms. lb. 3.00 • 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 • 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 • —
l.c.l., works 100 lbs. 2.10 • 2.45
crude, c.l., bulk, mines, contract, long ton. 18.00 • —
vessel f.o.b. Gulf ports, export, long ton. 22.00 • 24.00
f.o.b. ship for domestic and Canada long ton. 19.50 • —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 • —
l.c.l., works 100 lbs. 1.95 • 2.30
precipitated, USP, bbls., kgs lb. .27 • .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 • —
l.c.l., works 100 lbs. 3.35 • 3.70
flour, heavy, bgs., c.l., works 100 lbs. 2.80 • —
l.c.l., works 100 lbs. 3.15 • 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 • —
l.c.l., works 100 lbs. 4.20 • 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 • —
l.c.l., works 100 lbs. 2.75 • 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 • —
l.c.l., works 100 lbs. 3.05 • 3.70
rubbermakers' bgs., c.l., works, 100 lbs. 2.35 • —
l.c.l., bgs., works 100 lbs. 2.70 • 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03¼ • —
l.c.l., same basis lb. .04¼ • —
tanks, same basis lb. .03 • —
Dioxide, liquid, com'l, cyls., works lb. .09 • —
multi-unit cars, works lb. .0535 • —
tanks, works lb. .045 • —
refrigeration, cyls., l.c.l., dlvd lb. .20 • .36
Sumac bark, 25%, grd., bgs., ex dock ton. 65.00 • 66.00
Extract, No. 1, bbls., 25% lb. .10½ • —
No. 2, bbls., 25% lb. .09 • —
crystals, bbls. lb. .40 • —
stainless, bbls. lb. .14½ • —
Leaf, 28% grd., bgs., ex-dock, ton. 67.00 • 68.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltimore unit-ton. .76 • —
Carteret, N. J. unit-ton. .70 • —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .80 • —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

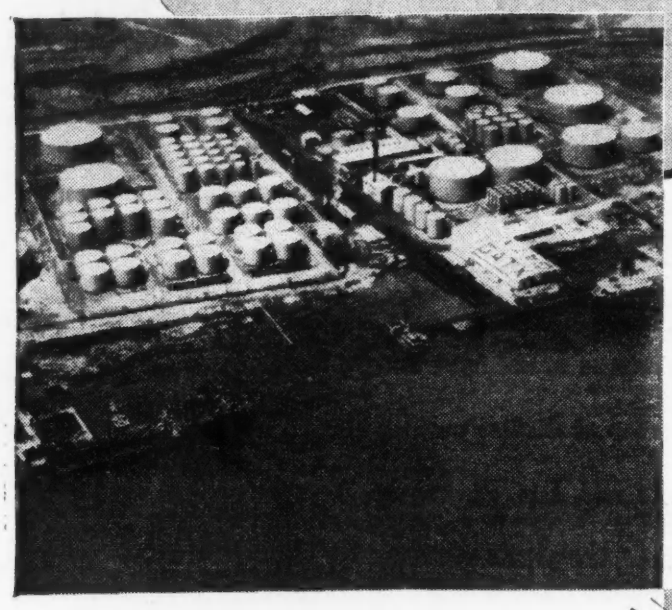
Sweet basil, imported, bls. lb. No stocks.

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton. 25.00 • 35.00
Vermont, bgs., c.l., works ton. 14.00 • —
l.c.l., works ton. 17.50 • —
fibrous, New York, off-color, grd., bgs., c.l., works ton. 24.00 • —
l.c.l. ton. 26.50 • 28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton. 23.00 • 28.00
l.c.l., works ton. 25.00 • 32.00
imp., Canada, grd., bgs., c.l., mines ton. 12.50 • 35.00
Tallow, edible, dms., c.l. lb. .11¼ Nom.
inedible, extra, loose, c.l., dlvd. lb. .08 • —
fancy, loose, c.l., dlvd lb. .08¼ • —
special, loose, c.l., dlvd lb. .07½ • —
sulphonated, 25%, dms lb. .07 • .07½
50%, dms. lb. .09½ • .10
Tamarind, W. I. bbls lb. .10 • .15
kegs keg. 10.00 • —
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 8.00 • —
Chicago unit-ton. 9.00 • —
Tansy leaves, bls lb. .24 • .30
Tapioca flour, high grade, bgs lb. .07 • .07½
medium grades, bgs lb. .06½ • .07
low grades, bgs lb. .05½ • .06
Java, bgs lb. No stocks.
Tar acid oil, 13-18%, dms., c.l., frt. equald gal. .41 • —
l.c.l., same basis gal. .44 • —
tanks, same basis gal. .33 • —
25-28%, dms., c.l., works gal. .48 • —
l.c.l., same basis gal. .51 • —
tanks, same basis gal. .40 • —
50-53%, dms., c.l., same basis, gal. .53 • —
l.c.l., same basis gal. .61 • —
tanks, same basis gal. .50 • —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton. 225.00 Nom.
Tarragon herb, bgs lb. .45 • .50
Leaves, bgs lb. .75 • .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .46 • —
dms. lb. .47 • .51
USP, powd., bbls., dms., kgs lb. .51 • .54
Terpin hydrate, com'l, bbls., c.l lb. .24½ • —
l.c.l. lb. .25 • .25½
NF, cryst., bbls., dms lb. .75 • —
powd., bbls., dms lb. .80 • —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½ • —
l.c.l., South lb. .14 • —
tanks, South lb. .13 • —
prime, dms lb. .33 • .60
Terpinglycol ether, dms., c.l., works. lb. .19½ • —
l.c.l., works lb. .20 • —
tanks, works lb. .19 • —
Terpinyl acetate, extra, cns., dms lb. .60½ • .70½
prime, cns., dms lb. .55 • .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms gm. 3.75 • —
Propionate, USP., 100 gms gm. 3.75 • —
Tetrachloroethane, dms., works lb. .08 • .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½ • .21½
smaller dms., works lb. .23½ • .25
tech (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works, lb. .70 • —
Pyrophosphate, 40% cns., dms., works lb. .80 • —
Tetraethylenepentamine, dms., c.l., works lb. .51½ • —
l.c.l., works lb. .52 • —
tanks lb. .50 • —

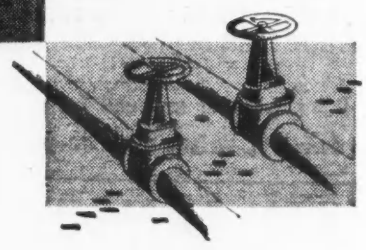


Your Bulk Liquid Problems Can be Solved at GENERAL AMERICAN TANK STORAGE TERMINALS

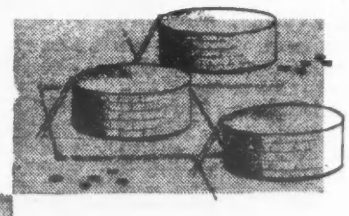


General American Tank Storage Terminals are strategically located to provide convenient outlets for marketing your product. All terminals served by highway, rail and waterway.

You make no capital investment—yet valuable pipelines, tanks, loading racks, docks and drumming and canning facilities are yours to use as though you owned them.

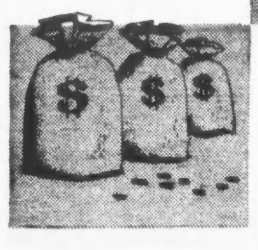


Alcohol, benzol, creosote, petroleum or vegetable oil—General American is equipped to handle any liquid that flows through a pipeline.



Your product is handled in complete privacy—in special tanks, pipelines and manifolds to ensure against contamination.

GENERAL AMERICAN TANK STORAGE TERMINALS



General American Warehouse Receipts represent the highest form of collateral.

A Division of
GENERAL AMERICAN TRANSPORTATION CORPORATION
135 South LaSalle Street • Chicago 90, Illinois
Terminals at: Carteret, New Jersey; Houston, Texas; Corpus Christi, Texas; Goodhope, La.
OFFICES IN PRINCIPAL CITIES

Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd ..... lb. 12.50 - 15.00
sulphate, 99%, bots., dlvd.... lb. 10.50 - 13.00
Theobromine, fib. dms..... lb. 5.25 - 5.32
Salicylate, fib. dms..... lb. 4.40 - 4.45
with sodium acetate, USP, dms lb. 4.05 - 4.10
Sodio-salicylate, fib. dms..... lb. 3.30 - 3.35
Theophylline, anhyd., or USP, 100-lb dms lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo. 160.00 - —
Mononitrate, bots., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms ..... lb. .40 - .42
Thiodiphenylamine (see Phenothiazine)
Thiouracil dms. works lb 5.50 6.60
Thiourea, tech., dms., c.l., works lb. .44 - —
l.c.l., works..... lb. .46 - —
Thorium nitrate, cs. works lb 3.56 —
Threonine, dextro-laevo, 100 grams 115.00 —
Thyme, French, bgs..... lb. .16 - .16¼
Spanish, bls..... lb. .09 - .09½
Thymol, kgs. ..... lb. 3.50 - —
Iodide, NF, dms..... lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works lb. .863 - .873
Crystals, hydrous, bgs., bbls., works lb. .705 - —
Metal ..... lb. 1.05 Nom.
Oxide, bbls ..... lb. 1.04 - 1.05
Sulphate stannous, bbls..... lb. .269 - .989
Tetrachloride, anhyd., dms., works. lb. .60 - .61
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd ..... lb. .19½ - —
l.c.l. dlvd lb. .20 .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½ - —
l.c.l., dlvd ..... lb. .20 .20½
plain, bgs., c.l., dlvd .... lb. .19½ - —
l.c.l., dlvd ..... lb. .20 - .20½
rutile, natural granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼ - —
milled, bgs., c.l., works lb. .05¾ - —
5-ton lots, works lb. .05½ - —
nonchalking, bgs. c.l., dlvd E. lb. .21½ - —
l.c.l., dlvd. E lb. .22 .22½
Hydride, cns., works lb 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l. dlvd lb. .07½ .07¾
l.c.l., dlvd. ..... lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c higher; Pac. coast c.l., dlvd., l.c.l., ex whse ½c higher
Tetrachloride, CP, 55 gal. dms lb. .57 - .58
smaller pkgs., works lb. 65 1.22
technical, 5-gal. dms., works lb. .32 —
smaller pkgs. works lb 40 1.00
Tolu balsam, cns., dms ..... lb. 3.45 - 3.60
Toluene (see Toluol)
Tolidin base, distilled, kgs .... lb. 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa ..... gal. .24½ - —
Birmingham dist..... gal. .23¼ - —
Chicago district..... gal. .23½ - —
Cleveland district.... gal. .25¼ - —
Lone Star, Tex ..... gal. .24½ - —
Geneva, Utah ..... gal. .18¼ - —
Hamilton, Ohio..... gal. .25 - —
Johnstown, Pa..... gal. .23 - —
Lackawanna, N. Y.... gal. .26 - —
Lorain, Ohio ..... gal. .24 - —
Minequa, Colo. ..... gal. .23½ - —
Philadelphia, Pa..... gal. .26½ - —
Pittsburgh district... gal. .23 - —
Sparrow's Point, Md... gal. .24½ - —
St. Louis, Mo. ..... gal. .25 - —
Syracuse, N. Y. .... gal. .23½ - —
Terre Haute, Ind .... gal. .26½ - —
Wyandotte, Mich .... gal. .26 - —
Youngstown, Ohio . gal. .23½ - —
Petroleum, industrial 2°, tanks, works—
Albany, N. Y. .... gal. .30 - —
Bayonne, N. J. ..... gal. .30 - —
Baytown, Tex. ..... gal. .28 - —
Chicago, Ill. ..... gal. .30 - —
Detroit, Mich. ..... gal. .30 - —
Philadelphia, Pa. .. gal. .30 - —
Providence, R. I. .. gal. .30 - —
Wood River, Ill. ... gal. .28 - —
Tonga 50% bark and vine bls. lb 80 95
Tonka beans Angostura, cks .. lb 1.75 1.80
Brazilian cs ..... lb. 1.00 - 1.15
Surinam cs. ..... lb. 1.00 - 1.15
Toxaphene, dms., works, c.l ... lb. .20 - —
truckloads, works ..... lb. .20 - —
ton to truckloads, works ... lb. .23 - —
less than tons, works ..... lb. .26 - —
Totaquine, 100-oz. tots ..... oz. .42 - —
Triacetin dms. dlvd ..... lb. .35½ —
Tributyl citrate, dms. ..... lb. .41 .43
smaller containers lb. .46 - .52
Phosphate dms c.l. frt. alld lb. .56½ - —
l.c.l., same basis..... lb. .57½ - —
smaller containers lb. .71 —
Tributylamine dms., c.l., frt. alld. lb. .78¾ - —
l.c.l., same basis ..... lb. .79¾ - —
tanks, same basis ..... lb. .77 - —
Trichlorobenzene, dms., c.l., works, frt. alld lb. .10½ - .11½
l.c.l., frt. alld..... lb. .11½ - .12½
tanks, frt. alld ..... lb. .09 - .10
Prices in the West, 1¾c. higher.
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works ..... lb. .13½ - —
tanks, works ..... lb. .11½ - —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10½ - —
l.c.l., same basis ..... lb. .11¼ - —
tanks, same basis ..... lb. .10 - —
Trichloroethylene, dms., c.l., dlvd. E lb. .11¼ - —
l.c.l., dlvd. E ..... lb. .11¾ - —
tanks, dlvd. E ..... lb. .10¼ - —
Tricholine citrate, 65% solut., ret., chys., works, frt adjusted lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .31½ - —
l.c.l., dlvd..... lb. .32½ - —
tanks, dlvd ..... lb. .30 - —
petroleum, dms., c.l., dlvd. lb. .31½ - —
l.c.l., dlvd..... lb. .32½ - —
tanks, dlvd ..... lb. .30 - —
Triethanolamine, dms., c.l. frt. alld. E lb. .23 - —
l.c.l., same basis ..... lb. .24 - —
tanks, same basis ..... lb. .21½ - —
Triethylamine, dms., c.l., works, frt. alld. E lb. .31¾ - —
l.c.l., same basis ..... lb. .32¾ - —
tanks, same basis ..... lb. .30 - —
Triethyl citrate, dms..... lb. .34 - .36
smaller containers ..... lb. .39 - .45
Phosphate, dms., works, c.l... lb. .38 - —
l.c.l., same basis..... lb. .39 - —
tanks, same basis ..... lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .20½ - —
l.c.l., same basis ..... lb. .21½ - —
tanks, same basis ..... lb. .19 - —
Triethylenetetramine, dms., c.l., works. lb. .41½ - —
l.c.l., works ..... lb. .42 - —
tanks ..... lb. .40 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½ - —
tanks, works, frt. equald., 100% basis lb. .33 - —
Trimethylhexanol, dms., c.l., works. lb. .29½ - —
l.c.l., works..... lb. .30 - —
tanks, works..... lb. .28 - —
Tripentaerythritol, bgs., l.c.l. works. lb. .36 - —
Triphenyl phosphate, bbls. c.l., frt. equald lb. .33 - —
l.c.l., frt. equald..... lb. .34 - —
Triphenylguanidine bbls. works lb. .90 - —
Tripoli air-floated, bgs. c.l. works. lb. .0175 -
double-grd. bgs. c.l. works lb. .016 - —
single grd., bgs. c.l. works lb. .015 —
Trisodium fluoroacetate (see sodium fluoroacetate trihasic).
Trisodium phosphate (see Sodium phosphate trihasic)
Trypsin, 1:25 dms., works..... lb 2.30 - —
1:50, dms. works ..... lb 4.25 - —
1:75, dms. works ..... lb 5.50 - —
1;100, fib dms. works ..... lb 5.50 - —
Tryptophane dextro-laevo, fib ctns. works kilo. 207.00 - 242.00
Tuba root (see Cube root)
Tungsten metal powd., 99.9%, dms. works lb. 4.50 - 4.75
Turmeric root, Alleppey, bgs... lb. .32 - .35
Haitian, bgs. ..... lb. .10 - .10¼
Jamaica, bgs. ..... lb. .10 - .10½
Madras, bgs. ..... lb. .16 - .16½
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East ... gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South gal. .40 - —
l.c.l. same basis . gal. .41 - —
N. Y. whse ..... gal. .48 - —
tanks, works South gal. .27½ - —
steam-dist., dms. incl. c.l., works gal. .50 - —
l.c.l., works South .... gal. .56 - —
ex whse., NYC ..... gal. .68 - —
tanks, works ..... gal. .37 - —
Tyrothricin, bots. ..... gram. 1.00 - 1.10

U

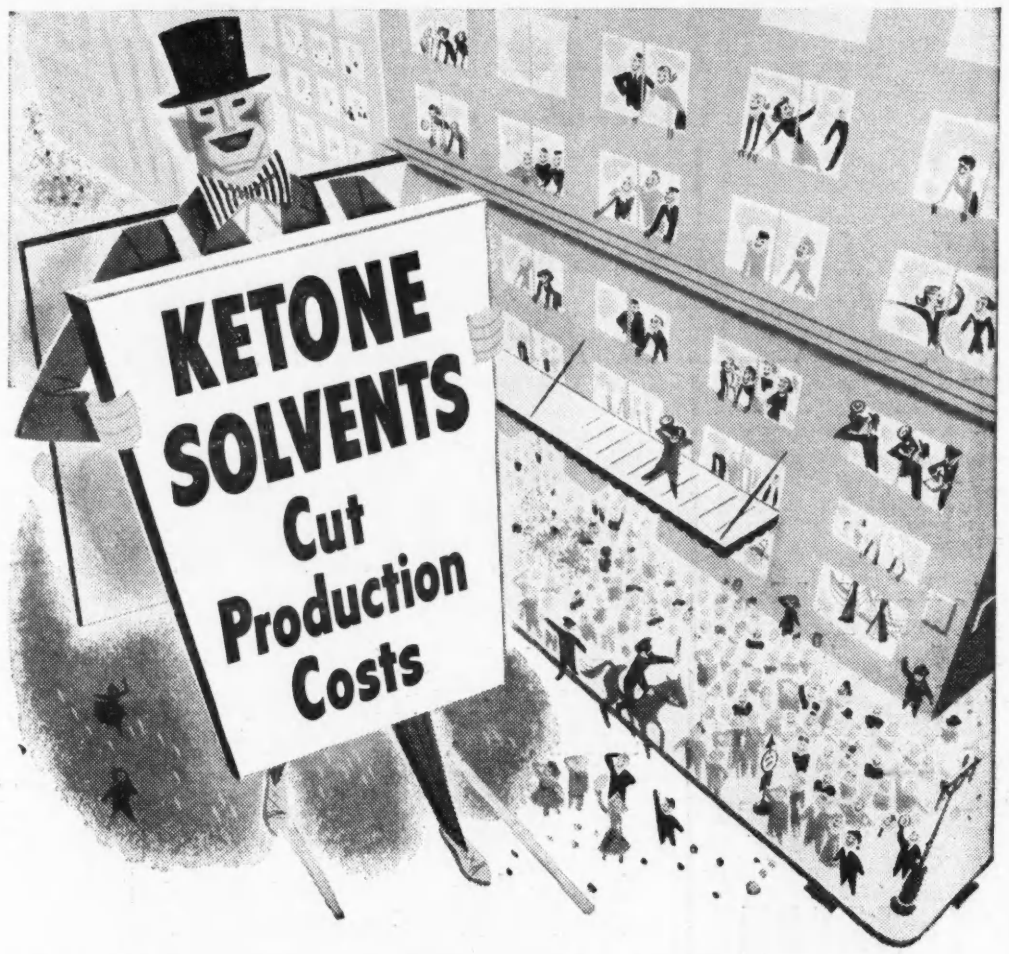
Urethane, USP dms..... lb. 1.23 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black bgs ..... lb 2.55 - —
yellow, kgs ..... lb 1.63 - —
Urea, dom. 46% N bgs. c.l., wks. lb .04½ - —
l.c.l., works lb. .05 - —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
bulk, distributors c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 116.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle W Va ton. 125.00 - —
C and D grades, same basis, tn 123.50 - —
37 grade, same basis..... ton. 147.50 - —
Uva ursi leaves, bls..... lb. .06 - .14

V

Valerian root, Belgian, NF, bls lb. .40 - .45
Valine, dextro-laevo, dms. works. lb 22.50 - 27.50
Valonia beards, bgs., ex dock ton. 78.00 Nom.
Cups, bgs., ex dock ..... ton. 53.00 - —
Extract, powd. ngs. ex dock, duty extra lb. .09½ - —
Vanadium pentoxide CP bgs., cns., works lb 7.00 - —
tech., dms., works lb 1.00 1.06
Vanilla beans, Bourbon, tins.... lb. 4.00 - 4.25
Mexican, cuts, tins..... lb 6.50 - 6.75
whole, tins ..... lb. 7.25 Nom.
Tahiti, cs. ..... lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb 4.00 —
smaller lots ..... lb 4.05 - —
ex guaicol, tins, 25 lbs..... lb 3.00 - —
smaller lots ..... lb 3.05 - 3.15
ex lignin, tins, 25-lb lots . . . lb 3.00 —
smaller lots, tins ..... lb 3.05 3.15
Vinyl acetate, 55-gal. dms., works. lb. .16 - .16½
5-gal. cns., works ..... lb. .30 - —
tanks, works ..... lb .15 - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Methylether, cyls., works ..... lb. .30 - —
tanks, works..... lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.. lb 1.50 —



Keep Lacquer Viscosity Low

Be sure YOUR solvents also offer these advantages:

1. High solids content
2. Freedom from cold-check problems
3. High diluent tolerance
4. Low specific gravity

Because Ketones are the most *powerful* lacquer solvents, they give you the lowest viscosity formulations when used with any practical resin-nitrocellulose combination.

Have you heard the *full* story on the cost-cutting advantages of Ketone Solvents? Call your Shell Chemical Representative and have him point out the basic factors that will enable you to profit by the competitive advantage of Ketone formulations.

SHELL CHEMICAL CORPORATION

Eastern Division: 500 Fifth Avenue, New York 18 Western Division: 100 Bush Street, San Francisco 6

LOS ANGELES • HOUSTON • ST. LOUIS • CHICAGO • CLEVELAND • BOSTON • DETROIT • NEWARK

Viosterol—Yellow, Benzidin

Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units . 1,000,000 units. .025 • —
lots of 1 billion USP units, 1,000,000 units. .03 • —
lots of less than 1 billion USP units 1,000,000 units. .035 • —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 1t billion USP units . . 1,000,000 units. .02 • —
lots of 1 billion USP units, 1,000,000 units. .025 • —
lots of less than 1 billion USP units.1,000,000 units. .03 • —

Vitamin A, natural, 200,000 to 400,000 A units per gm., bots. cns., dms., lots of 500 million units or more 1,000,000 units. .15 • —
lots of less than 500 million units 1,000,000 units. .19 • —

Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more . . . . . 1,000,000 units. .17 • —
lots of less than 500 million units . . . . . 1,000,000 units. .21 • —

Prices above are based on the USP XIII method of conversion, E x 1894.

Vitamin A, natural, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more . . 1,000,000 units. .16 • —
lots of less than 500 million units 1,000,000 units. .20 • —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 • —
less than 500 million units. 1,000,000 units. .22 • —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm. . . .1,000,000 units. .18 • —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .18 • —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_4 (see Pyridoxin hydrochloride).
B_{12}, vials, 25 100 and 500 milligram lots, milligram. .98½ • —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheat-germ).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls. . . . . lb. 1.50 • 1.75
Tree bark, bls. . . . . lb. .55 • .75
Warfarin, dms., 50 lbs., f.o.b. N. Y. or Chicago . . lb. 1.95 • —
25-49 lbs., same basis . . . . . lb. 2.05 • —
5-24 lbs., cns., same basis . . lb. 2.15 • —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 67.50 • —
merchantable, bgs., ex dock. ton. 65.00 • —
extract, liquid, 35% tannin, bbls., works lb. .07½ • .08
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .07½ • —
S. Afr., 62% tannin, ex dock, duty extra lb. .07½ • —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot . . . . . lb. .44 • .45
Bees, bleached, USP, bricks, cs. lb. .69 • .70
slabs, bgs. . . . . lb. .68 • .69
crude, African, bgs. . . . . lb. .52 • .53
Brazilian, bgs. . . . . lb. .53 • .54
Cent. American, bgs. . . . . lb. .50 • .51
refined, yellow, bricks, cs. . lb. .57 • .58
slabs, bgs. . . . . lb. .56 • .57
Candelilla, crude, bgs. . . . . lb. .63 • .65
refined, bgs. . . . . lb. .68 • .70

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots. lb. No stocks.
North Country, No. 2, ton lots. lb. .92 Nom.
No. 3, crude, bgs., ton lots. lb. .90 • .92
refined, bgs., ton lots. lb. .95 • .97
yellow, No. 1, bgs., ton lots. lb. 1.16 • 1.18
No. 2. . . . . lb. 1.14 • 1.16

Powdered carnauba price differentials same as powdered candelilla.

Wax, Japan, bgs. . . . . lb. .62 • .67
Microcrystalline, 170°-175° m.p., ASTM, amber, cns., 20,000 lbs., group 3, works lb. .14 • —
Less than 20,000 lbs., same basis lb. .15 • —
black, cns., 20,000 lbs., same basis lb. .12½ • —
Less than 20,000 lbs., same basis lb. .13½ • —
white, cns., 20,000 lbs., same basis lb. .25 • —
Less than 20,000 lbs., same basis lb. .26 • —
180°-185° m.p., ASTM, black, cns., 20,000 lbs., same basis lb. .14½ • —
Less than 20,000 lbs., same basis lb. .15½ • —
amber, cns., 20,000 lbs., same basis lb. .16 • —
Less than 20,000 lbs., same basis lb. .17 • —
white, cns., 20,000 lbs., same basis lb. .27 • —
Less than 20,000 lbs., same basis lb. .28 • —
190°-195° m.p., ASTM, amber, cns., 20,000 lbs., same basis lb. .20½ • —
Less than 20,000 lbs., same basis lb. .21½ • —
black, cns., 20,000 lbs., same basis lb. .19 • —
Less than 20,000 lbs., same basis lb. .20 • —
white, cns., 20,000 lbs., same basis lb. .33½ • —
Less than 20,000 lbs., same basis lb. .34½ • —
Montan, dom., black, raw. . . . . lb. .25 • .25½
refined . . . . . lb. .31 • .32
imported Bohemian, bgs. . . . . lb. .15½ • .16½
German, bgs. . . . . lb. .16½ • .17½
Ouricury, refined, bgs., ton lots. lb. .90 Nom.
Paraffin (see P.).
Wax, spermaceti, blocks, cs . . . . lb. .24 • .27
cakes, cs. . . . . lb. .25 • .28
Sugar cane, crude, imp., bgs. lb. .35 • .37
refined, dom., slabs., works. lb. .60 • .65
imp., bags, N. Y. . . . . lb. .40 • .42
White lead (see Lead white).
White pine bark, rossed, bls. . . . . lb. .16 • .19
White precipitate USP powd., dms., 50 lbs lb. 2.00 • —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs. c.l. works. ton. 6.00 -10.00
smaller lots works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton. 16.00 -30.00
smaller lots works . . ton. 21.00 -35.00
Paris white, bgs., c.l ton. 24.00 -31.00
l.c.l. . . . . whse ton. 25.00 -40.00
Precipitated, bgs., c.l . . . . ton. 18.00 -20.00
l.c.l. . . . . ton. 25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 • .07
rossed, bls . . . . . lb. No prices.
thin, natural, bls . . . . . lb. .13 • .16
rossed, bls. . . . . lb. .16 • .17
Wild indigo root, bls. . . . . lb. .30 • .31
Wild yam root, bls. . . . . lb. .16 • .17
Witch hazel leaves, bls . . . . . lb. .23 • .25
Woodflour 40 mesh bulk, c.l., works, East ton. 32.00 • —
l.c.l., same basis ton. 40.00 • —
60 mesh, bulk, c.l., same basis ton. 37.00 • —
basis ton. 37.00 • —
l.c.l., same basis . . . . ton. 45.00 • —
80-100 mesh, bulk, c.l., same basis ton. 40.00 -45.00
l.c.l., same basis . . . . ton. 50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. . . . . lb. .13 • .14
Levant, bgs. . . . . lb. 4.50 • 5.00
Wormwood leaves, bls . . . . . lb. .35 • .45

X

Xanthorrhiza root, bls. . . . . lb. .28 • .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt equald . . lb. .193 • —
l.c.l., same basis . . . . . lb. .196 • —
tanks, same basis . . . . . lb. .18 • —
45°-47°C. dms., c.l., frt. equald . lb. .153 • —
l.c.l., same basis. . . . . lb. .156 • —
tanks, same basis . . . . . lb. .14 • —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. 1.01 • —
l.c.l., same basis. . . . . gal. 1.04 • —
tanks, same basis. . . . . gal. .90 • —
Meta fraction, over 7°C., dms., c.l., same basis gal. 1.11 • —
l.c.l., same basis. . . . . gal. 1.14 • —
tanks, same basis. . . . . gal. 1.00 • —
Xylidins mixed, dms . . . . lb. .45 • .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa . . . . . gal. .27 • —
Birmingham district. . . . . gal. .24½ • —
Chicago district . . . . . gal. .27½ • —
Cleveland district. . . . . gal. .27 • —
Lone Star, Tex. . . . . gal. .25 • —
Geneva, Utah . . . . . gal. .19¾ • —
Hamilton, Ohio. . . . . gal. .26 • —
Johnstown, Pa. . . . . gal. .25 • —
Lackawanna N. Y. . . . . gal. .27 • —
Lorain, Ohio . . . . . gal. .25¼ • —
Minnequa, Colo. . . . . gal. .27 • —
Philadelphia, Pa. . . . . gal. .27 • —
Pittsburgh district . . . . . gal. .24 • —
Sparrows Point, Md. . . . . gal. .27 • —
St. Louis, Mo . . . . . gal. .28 • —
Xylol, coaltar, industrial, tanks, works, Syracuse, N. Y. gal. .24½ • —
Terre Haute, Ind . . . . . gal. .27 • —
Wyandotte, Mich . . . . . gal. .27 • —
Youngstown, Ohio . . . . gal. .24½ • —
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. . . . . gal. .30 • —
Bayonne, N. J. . . . . gal. .30 • —
Baytown, Tex. . . . . gal. .28 • —
Chicago, Ill. . . . . gal. .30 • —
Detroit, Mich. . . . . gal. .30 • —
Philadelphia, Pa. . . . gal. .30 • —
Providence, R. I. . . . gal. .30 • —
Wood River, Ill. . . . . gal. .30 • —

Y

Yara, yara, ens. . . . . lb. 2.00 • 2.25
Yeast, brewer's dry, USP, 50 B units per gram 100-lb dms lb. 44 • 46
80 B units per gram, 100 lb. dms lb. 49 • 51
200 B units per gram, 100 lb. dms lb. 53 • 55
300 B units per gram, 100 lb. dms lb. .57 • .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd N of Tenn and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. 2.80 • —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd. . . . . lb. 1.60 • 1.70

CONCORD

KARAGAMI WAX

A dependable replacement for JAPAN WAX

You will find it profitable to use Karagami Wax instead of Japan Wax because of its lower cost, ready availability, and a high uniform quality.

		KARAGAMI	JAPAN
Compare these Specifications	Melting Point	50.0C	50.0C
	Penetration at 77 F	21	20
	Saponification No.	199.4	206.0
	Iodine No.	17.9	17.1

Remember KARAGAMI COSTS LESS

Write TODAY for a generous working sample and prove it for yourself — no obligation.

CONCORD CHEMICAL COMPANY

MOORESTOWN, NEW JERSEY — Moorestown 9-1100

CRESYLIC ACID • JAPAN WAX REPLACEMENT
CARNAUBA WAX REPLACEMENT • FATTY ACIDS-DISTILLED
CANDELILLA WAX • REFINED TALL OIL

Yellow, cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.65 - 2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies....lb. 1.02 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse l.c.l. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, Rock Island lb. .23 - —
Dlvd. Ala., Fla., Ga., La., (Shreveport) 1½c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
t.c.l., works lb. .0166- .0275
French type, bgs., c.l.....lb. .04½- —
t.c.l. .....lb. .04¾- —
Peruvian type bgs., c.l. lb. .0185- .0210
synth., bgs., c.l., works....lb. .09½- —
t.c.l., works.....lb. .09¾- —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼ .02¼
Zinc, bbls. same basis as chrome lb. .21 - .26
Yellow dock root, bls ..... lb. .18 - .25
Yellow xanthorrniza (see Xanthorrhiza)
Yerba santa leaves, bls.....lb. 28 - .30
Yohimbine hydrochloride vls.....oz. 3.25 4.00

Z

Zein, bgs., 36,000 lbs., works... lb. .30 - —
1,000 lbs. to 36,000 lbs. works lb. .32 - —
smaller lots works ..... lb. .35 - —
Zinc acetate, tech., bbls., dms... lb. .26¼- —
NF, dms. ..... lb. .41 - —
Borate, bgs., c.l., dlvd. E..... lb. .17½- —
l.c.l., dlvd. E ..... lb. .18½- —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers', bgs., works lb. .10¾- .11¼
precipitated, powd., dms.lb. .28 - —
Chloride, tech., fused, dms., c.l., works .100 lbs. 7.70 - —
l.c.l., works .....100 lbs. 8.10 - —
gran., bbls., c.l., works.100 lbs. 8.45 - —
l.c.l., works .....100 lbs. 8.85 - —
solution 50% dms., c.l. works. 100 lbs. 4.25 - —
l.c.l., works .....100 lbs. 4.85 - —
tanks, works.....100 lbs. 3.60 - —
NF, gran., dms ..... lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .422 - .442
Dust, bbls., c.l., works.....lb. .1225- —
dlvd. .....lb. .1250- —
l.c.l., works .....lb. .1260- .1325
Fluoride, bbls., works.....lb. .40 - —
Hydrosulphite, dms. c.l., frt. alld. lb. .18¼- —
l.c.l. .....lb. .18¾- .20¼
Iodide, NF, jars .....lb. 4.85 - —
Laurate, bbls .....lb. .45 - .46
Linoleate solid 9½%, bbls ...lb. .42½- —
Metal, slabs, E. St. Louis ..... lb. .15 - —
Naphthenate liquid, 8% Zn., frt. alld lb. .20¼- —
10% Zn, dms., frt. alld..... lb. .26 - —
Oleate, fused, bbls ..... lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd. lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
American process, com'l, lead-free, bgs., c.l., dlvd. lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
leaded, 5%, bgs., c.l., dlvd. lb. .14¾- —
l.c.l., dlvd .....lb. .15¾- —
35%, bgs., c.l., dlvd. lb. .14¼- —
l.c.l., dlvd .....lb. .15¼- —
50%, bgs., c.l., dlvd. lb. .14 - —
l.c.l., dlvd.....lb. .15 - —
French process, com'l, lead-free, bgs., c.l., dlvd. ..... lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
green seal, bgs., c.l., dlvd. lb. .16½- —
l.c.l., dlvd.....lb. .17¼- —
red seal, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd.....lb. .17 - —
white seal, bgs., c.l., dlvd. lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
USP, ctns., c.l., dlvd.....lb. .17¼- —
l.c.l., dlvd.....lb. .18¼- —

Zinc oxide Pac. coast prices 1c. higher; bbl prices ¼c. higher than bgs.

Phenolsulphate, dms. ..... lb. .36 - —
Resinate, fused, 1% Zn, dms., frt. alld lb. .20 - —
precip., dms., frt alld..... lb. .22½- —
Silicofluoride, bbls., works....lb. .10 - .10½
Stearate, tech., USP, ctns., c.l. lb. .34 - —
ton lots ..... lb .33 - —
less ton lots.....lb. .36 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld ..... 100 lbs. 6.15 - —
l.c.l., same basis .100 lbs. 6.55 - —
flake, 25½% Zn, bgs., c.l., works, dlvd 100 lbs. 4.80 - 5.35
l.c.l., works .....100 lbs. 5.75 - 8.25
powdered, 36% Zn., bgs., c.l., dlvd., same basis 100 lbs. 8.25 - —
l.c.l., same basis ..100 lbs. 9.00 - —
Zinc sulphate in bbls. 40c higher
USP, gran., dms ..... lb. .23 - .23½
Sulphide, pure, bgs., c.l., dlvd. lb. .20 - —
l.c.l., dlvd .....lb. .21 - —
Barium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd .....lb. No prices.
Calcium, pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd .....lb. No prices.
Luminescent pigment, dlvd lb. No prices.
Magnesium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd .....lb. No prices.

Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.

Thionosulphonate, NF, gran., bbls., dms lb. .33 - .34
powd., bbls .....lb. .36 - .37
Undecylenate, dms.....lb. 1.90 - 2.00
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works .100 lbs. 7.35 - —
l.c.l., works .....100 lbs. 7.75 -10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis..... lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .22½- —
normal, dms., works .....lb. .44 - —
Zircon (see Zirconium silicate).
Zirconium acetate 13% sol. ZrO_2, bbls. works lb. .21¼- —
Carbonate, basic, cake, bbls., works lb. .30½- —
Hydride, cns., works..... lb. 7.00 - 8.00
Nitrate, dms., works .....lb. 1.75 - —
Oxide, 98½-99% white, grd., bbls. or bags, works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works ..... lb. .44½- —
1 ton or less, works .. lb. .45 - .48
milled, electric-fused bgs., c.l., works lb. .59 - —
5 tons, works ..... lb. .59½- —
1 ton or less, works .... lb. .60 - .63
Oxychloride, cryst., ctns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works, lb. .03¼- .03¾
10 tons, works .....lb. .03½- .04
5 tons, works .....lb. .04 - —
1 ton or less, works.....bl. .04¼- .04¾
milled, bgs. c.l., works.....lb. .04¾- —
5 tons, works .....lb. .05¼- —
1 ton or less works .....lb. .05¾- .06¾
refined, bgs., c.l., works.....lb. .11 —
works lb. .11 - —
5 tons, works .....lb. .11½- —
1 ton or less, works .....lb. .12 - .16
Sulphate, cryst., ctns., c.l., works. lb. .37½- —
5 tons, works..... lb. .38 - —
1 ton or less, works.. lb. .38½- .39

API Rocky Mt. District Meeting Scheduled April 19

The 1951 spring meeting of the Rocky Mountain district of the American Petroleum Institute's division of production will be held April 19 to 20 at the Gladstone hotel, Casper, Wyo. Announcement of the Rocky Mountain district date completes scheduling of meeting held every Spring by API's production division.

Meeting dates previously announced are as follows:—Southwestern district, Beaumont hotel, Beaumont, Tex., March 7 to 9; midcontinent district, Herring hotel, Amarillo, Tex., March 21 to 23; Eastern district, Deshler-Wallick hotel, Columbus, Ohio, April 3 to 5, and Pacific Coast district, Biltmore hotel, Los Angeles, Calif., May 10 to 11.

Atlas Mineral Names Steiner

Atlas Mineral Products Company, Mertztown, Pa., has appointed Dr. Robert H. Steiner research coordinator for the firm. Dr. Steiner comes to Atlas from the Firestone Tire & Rubber Company, Akron, Ohio, with which concern he has been associated for the past seven years.

Israel Firm Seeking Machinery in U.S.

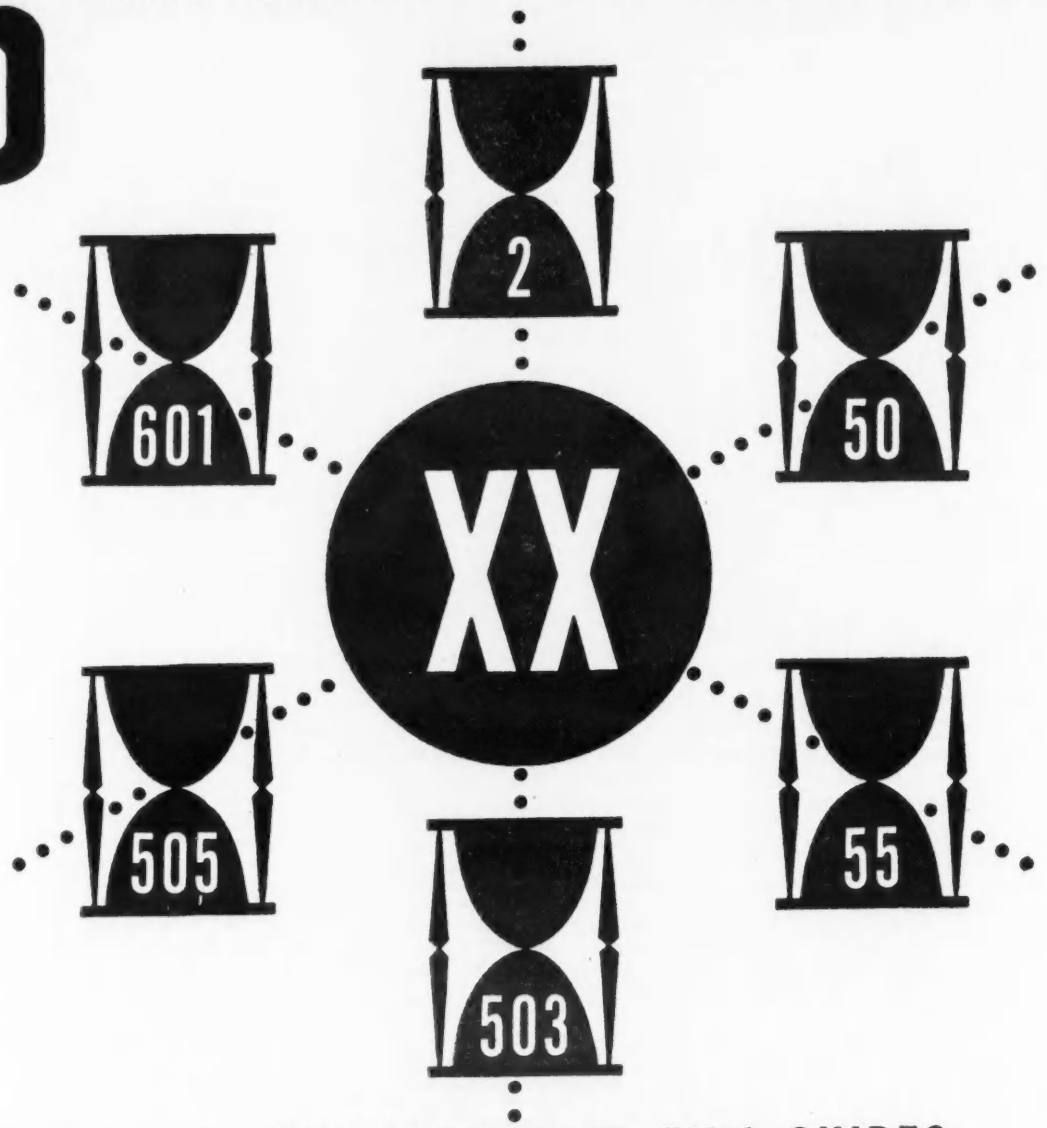
S. Sternlicht, president of Sternlicht & Sons, Tel Aviv, Israel, is in the United States seeking equipment to manufacture acetylene from oil, based on electro-oil cracking. He wishes a plant with an output of approximately 200 pounds per hour.

He also wishes to buy machinery to manufacture ammonia. The company has electrolytic hydrogen and nitrogen byproducts in its present plant to justify a production of about 1,200 pounds of ammonia daily. Mr. Sternlicht can be reached at the American Economic Committee for Palestine, 250 West Fifty-seventh street, New York 19.

Acheson Transfers Weaver

Acheson Colloids Corporation has transferred D. Gray Weaver from its product development laboratory at Port Huron, Mich., to the firm's Newark, N. J., office. In his new post Mr. Weaver will assist in coordinating technical and research problems affecting Acheson Colloids Corporation and Acheson Colloids, Ltd., of London.

6 TIME SAVERS FOR FORMULATORS



HORSE HEAD "XX" LEAD-FREE ZINC OXIDES

Why spend valuable time building your formulas to accommodate a particular lead-free Zinc Oxide?

You can save those long hours by readily selecting the oxides you need from the most complete line of Zinc Oxides—the Horse Head family.

In that group you will find a wide range of consistencies, particle sizes, shapes and types of surfaces—especially developed to help you make still better paints... faster.

THE NEW JERSEY ZINC COMPANY
Founded 1848
160 Front Street, New York 7, N.Y.

Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed 1900-1942, by Harry J. Schnell
Incorporating Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.
Member of Audit Bureau of Circulations

Copyright 1950 by

SCHNELL PUBLISHING COMPANY, INC.
WILLIAM S. AUCHINCLOSS, *President*
30 Church Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 158 August 14, 1950 Number 7

Public Is Still 'Be Damned'

A bit of easing has come in the nationally deplorable crippling of the alkali industry by dissatisfied labor. One of the plants of the producer which has been struck out for nine weeks is now reported to be able to make some soda ash—no caustic soda or chlorine—and to ship it in bulk—not in bags. But, the situation still has all the characteristics of a national calamity and is fraught with heavy threats for the national welfare.

The soda alkalies and their concomitant product, chlorine, are essential materials in the production of hundreds of articles which are necessities in daily life. They are the very foundation of a large and very important section of the chemical industry as a whole. The inadequacy of their supply has been a national emergency for at least a month. Why it has not been treated as such is one of those things which stem today from the political fear lest something be done before November 7 which would play havoc with the plans of mousey men in public office.

Of course, the matter is more fundamental than that: there is no statutory mandate that corrective action be taken to prevent or relieve actual interference with commerce by more or less connived assumption of unauthorized privileges on the part of labor. One perceptible consequence of that in the alkali strike is the ban laid on the supplying of material by operating producers to consumers ordinarily supplied by the struck plants. If that is not illegal, the antitrust laws don't mean anything.

In circumstances such as those presented by the alkali strikes, it is regrettable that somebody in this country does not have the authority to do as the United States labor adviser in Japan has done in making it plain that strikes, sabotage, and slowdowns will not be tolerated. The public welfare should rank high above any group peeves or political plums.

The alkali strikes are a threat to the public welfare which is already doing damage. Among other consequences is the developing of black markets for the materials pinched off by the disruptions of production. Those anonymous advertisements so common in the recent years of war are again appearing. Unethical disregard for the public has always been a chain reaction. In spite of all sorts of claims of progress in civilization, it is still as true as it was twenty centuries ago that the love of money is the root of all evil. But, when it comes to roots, lawmakers and other politicians never get any farther than grass.

A Worthy Example

There would be no reason for all the talk and any possible action with respect of excess profits taxes if the attitude of all business toward the emergency which is encroaching upon this country were that of the contractor for the development of the hydrogen bomb project. It is unfortunate that all too many do not look upon anything as of the vital importance to the national security which has been accepted in that undertaking. It is equally deplorable that few, if any, would be satisfied, even in the most minor job, with the fee of $1 which the duPont company is charging to design, construct, and operate the hydrogen bomb plant.

The hydrogen bomb contract holds lessons for a great many persons in all walks of life. Foremost among them is its substantiation of the fact that business and government can work together without detriment to either; that they can form and operate a partnership in which neither party seeks to profit from the other.

Another lesson is for those who call big business a criminal threatening the life of the national economy. In large part, that attitude has no valid foundation even in the minds of those who assume it. The motive is almost wholly personal advantage, usually political. It must be clear that the hydrogen bomb project could never be handled by any number of small businesses, even with the best theoretical cooperation among them. They could bring to the job neither the ability nor the money required in its performance. Oh, yes; of course, the contract is that all costs shall be borne by the government; but, as anybody knows, that does not relieve the contractor from the need for ready money at all times.

A third lesson to be learned from the hydrogen bomb arrangement is that the supplying of the nation with the necessities of war need not be attended with profit-grabbing. There are enough producers of all war necessities in this country who do not have to assure their future by gouging the government in the emergencies of the present. They should get all the work of furnishing supplies. Warbaby contractors, with neither productive nor financial facilities, who must get the goods from somebody else, should get no consideration. The procuring of war supplies should be done wholly by direct dealing with known, reliable sources.

Oh, yes; it is easy to say that those sources are not agreeably inclined toward government contracts. There is more than a little truth in that. But, the reason behind that attitude is what should be known—and remedied—the fault is not usually, and certainly not solely, on the side of business.

Sacrifice a la Mode

Although scare buying of foodstuffs and other consumable goods has slowed down, there is little evidence anywhere of any wide response to President Truman's call for sacrifices. That goes for the various branches of the federal government as well as for the man in the street and the woman in the store. It must be recorded that the senate voted to lop 10 percent off the appropriations for agencies other than defense and atomic energy and that one of the senators from New Jersey has submitted a resolution calling upon the Secretary of Defense to draw upon other agencies for necessary additional civilian personnel, and not to go outside to get more help. But, the senate finance committee has shelved the bill to continue suspension of the import tax on copper.

Nothing has been done to make use of farm-support surpluses to check the ascending trend of food prices or to prevent the soaring of cotton prices on exchanges because a smaller crop is forecast for this year. That idea of a permanent granary should be applied. But, in spite of all the official bewailing of the ascending trend of prices of necessities, the Department of Agriculture has raised the support price for rice more than 15 percent above what it was for the 1949 crop and added almost 3 percent to the support price for peanuts. The Commodity Credit Corporation pushed up the prices on its surplus rosin by 25 cents to 30 cents per hundredweight. And the dairy farmers of New Jersey are demanding authorization of the adding of another cent per quart to the price of milk. Reports in Washington have it that farm groups are lobbying in congress for the exemption of farm products from the bill (HR 9246) barring excessive profits on war contracts.

Sales of series E "war" bonds have been falling off since American soldiers began falling on the fields of the Korean riot, and the cashing of those bonds has increased sharply. Sacrifice? The word has an unfamiliar sound amid the noises of today's grabbing and gouging; although some persons are doing what they can to prevent the sacrificing of the consumer on the altars of profiteering greed, the sacrificing of the public to political ambitions, and the possible sacrificing of the nation for individual gains.

For the Bookshelf

PUBLIC RELATIONS IN BUSINESS. By Nugent Wedding. Paper; 46 pages. Urbana, Ill: University of Illinois.

This is a study of the activities of eighty-five large corporations in a field which is rapidly becoming recognized as one of economic essentiality. The work was done under the direction of the university's assistant professor of marketing. The study is a qualitative one, covering activities which have been developed to a notable status of stability and permanence. But, it is interesting to find that 61.2 percent of the thirty-eight companies furnishing data on the item did not have a separate department of public relations.

The data on that aspect constitute table 1 in the report. Table 2 shows how the public relations activities were distributed among other departments. One of the most important items of the survey is covered in table 3; it gives the concepts of the companies of what public relations means. Other tabulations include (1) activities classified as public relations, (2) reasons for public relations work, (3) objectives of programs, (4) methods of selecting objectives, (5) measurement of effectiveness, (6) methods of determining appropriations, (7) relation to policies, (8) achievements, (9) opinions on public service. The commentary and the conclusions, while not final determinations, are usefully informative over a broad area of necessity. Companies in the chemical industry, which has started a centralized program of public relations, will find this study a help in their essential individual participation. Eleven companies in chemical and related fields were covered in the study.

This booklet is bulletin 71 of the University of Illinois Bureau of Economic and Business Research. A copy may be got without cost from the Bureau at 205 David Kinley hall, Urbana.

GLYCERINE AND SOME GLYCERINE DERIVATIVES—Translation of Sections from Beilstein's Handbook of Organic Chemistry, fourth edition. Cloth; ii+210 pages, lithoprint of typescript. New York: Glycerine Research Committee of the Association of American Soap & Glycerine Producers. $2.50

This translation, made under license from the Attorney-General of the United States having to do with the vested alien copyright, comprises Beilstein's main work and the supplements covering the literature of 1910-29 through volume VI of the second supplement. It is as literal as possible, and there has been but little change from the original sequence of subjects, glycerin being put in the first place. The index comprises approximately 560 compounds.

Those who are familiar with Beilstein know the manner in which the twenty chapters here having to do with glycerin and its derivatives handle that important subject. Most of them with any interest in open-chain organic compounds will have a place for this treatise on the glycerol sectors. They will find it of practically everyday service because the derivatives of glycerin are widely distributed through today's compounds of interest.

For those to whom Beilstein is only something greatly desired, it may be helpful to say that the scope of this treatise encompasses glycerin from occurrence to application. It deals with the chemical and biochemical properties of that popular solvent and so forth and so forth. It has a useful analytical section. And when it goes into the compounds and derivatives of glycerin, through seven chapters, it presents their variety and complexity most informatively. And there is a list of abbreviations and identifications of more than 150 literary references.

Washington Talks It Over

—*Continued from page 5*

shoe imports. The feeling is that there will be ample markets for both the domestic producers and the importers, as civilian supplies are cut back to provide military requirements.

The hottest question was with petroleum. Even though two congressional committees recommended, after investigations, that congress go slow in cutting back imports, a determined move was in the making to tie a petroleum imports limitation rider on some bill they knew the President would have to sign, but now these plans have been abandoned.

Publicizing Foreign Trade Zones

In a further move to acquaint American businessmen with procedures and facilities for purchasing imported goods, ECA and the Department of Commerce will sponsor a foreign trade zones exhibit at the first United States International Trade Fair at Chicago, August 7 to 20. The six U. S. foreign trade zones, located in New York, New Orleans, San Francisco, Los Angeles, Seattle and San Antonio, will be publicized at the exhibit booth with graphic illustrations and literature giving detailed information on the facilities available in each zone.

In addition, Thomas E. Lyons, executive secretary of the foreign trade zones board in the Department of Commerce, will be present to answer questions from businessmen interested in exhibiting, manufacturing, processing, and selling goods in the zone areas. In its drive to help Europe earn more dollars and thus lessen the dependence of Marshall plan countries on extraordinary American financial assistance, ECA looks on the foreign trade zones as an important convenience for American importers. European suppliers, for example, are able to stockpile their goods in the zones and thus fill orders from American businessmen immediately.

Heavy Chemicals

Chemical index advanced to 225.5 last week from 223.4 in the preceding period. The price swing continued upward and included acetic acid, commercial aluminum sulphate, gray sal ammoniac, bleaching powder, lead acetate, monochloracetic acid in l.c.l. lots, sodium stannate, metallic tin and all tin-based chemicals. High producing costs were the primary influences for the upward revisions. Tin metal continued to fluctuate violently in sympathy with London and Singapore and established a new high price level for the year. All the other nonferrous metals were firm with demand active.

Production of soda ash for bulk shipment at one of the plants formerly strikebound since June 12, was about the only bright spot in the alkali industry. There is a definite shortage of soda ash at present. Caustic soda stocks are not as tight as soda ash but the scarcity of chlorine remained critical. Difficulty in securing these basic chemicals is having a serious effect on production of glass, paper, soap, chemicals and insecticides. There was no easement in the supply of sulphuric acid and there were instances of producers seeking stocks in the open market. It was stated that demand for acid from the manufacturers of titanium pigments and aviation gasoline has increased substantially. Caustic potash and potassium carbonate remained exceedingly scarce. There was also a pronounced shortage of white sal ammoniac, ammonia bicarbonate and nickel salts.

Paper production based on a percentage of six-day capacity was 106.8 percent for the week ending August 5, according to the American Paper and Pulp Association. This compared with 106.1 in the preceding week and 83.5 for the corresponding week in 1949.

Japan's imports of chemicals in 1949 were valued at $22,900,000. The United States accounted for $16,604,000. Europe was second with $4,515,000 (France, $2,437,000). Imports of $1,929,000 from that part of Poland formerly in Germany probably were of potash.

Export figures appearing below, unless otherwise designated, are from the Department of Commerce.

Aluminum Sulphate — Commercial has been advanced from $1.50 per 100 pounds to $1.65 for bulk, carlots, works. There was no change in the price of iron free. May exports totaled 1,880,600 pounds including 910,000 pounds to Colombia and 510,000 to the Philippine Republic.

Ammonia, Aqua—Supply situation has remained comfortable to date with producers able to satisfy requirements promptly at former price levels.

Ammonia Liquor — June production totaled 3,934,880 pounds, according to the Bureau of Mines. In May output registered 4,240,564 and in June, 1949, production amounted to 4,060,200 pounds. Output for the first six months of 1950 was 22,923,271 pounds, compared with 24,988,800 pounds for the corresponding period in 1949. Sales in June were 2,982,244 pounds, against 2,620,221 in May and 3,465,900 pounds in June, 1949. Sales for the first six months of 1950 totaled 15,988,522 pounds, against 22,452,800 for the same time last year. Stocks on June 30 were 1,326,911 pounds, compared with 1,194,176 on May 31 and 1,404,300 pounds on June 30, 1949.

Ammoniac Sal—Gray is priced higher at $7 per 100 pounds in bags, $7.65 in barrels and $6.95 in bulk, carlot shipments from works, freight equalized with recognized competitive points. White remained exceedingly scarce with only one plant producing at present.

Bleaching Powder—Priced higher at 5c. per pound in drums, carlots, works and 6c. for smaller quantities. Increased producing costs with the shortage of chlorine were factors contributing to the establishment of a higher market.

Carbon Tetrachloride — Continued on allocation to regular consumers. Shortage of chlorine remained a problem to producers and the current supply situation is definitely tight.

Copper Chloride — Contract shipments are behind schedule with production down as a result of the chlorine shortage.

Chlorine—Remained in critically short supply with many requirements uncovered. The current scarcity is seriously affecting production of solvents and insecticides as well as direct consumers of chlorine. It is expected that some of the pressure for shipments will relax a bit next month with the passing of the water season but the supply outlook for the balance of the year does not offer much that can be construed as favorable. May exports totaled 1,370,534 pounds including 881,350 pounds to Canada.

Copper Sulphate—Continued in tight supply for immediate shipment but available for October at current prices. In producing quarters, it was stated that October output has been about 75 percent sold for industrial uses and to Florida for fertilizer and for export. It looks as though the tension may be relieved shortly as increased production is expected to reach the market early next month.

Lead Acetate—Higher producing costs have been reflected in a higher priced schedule. The breakdown shows crystals at 20c. per pound, granular 21c. and powdered 21c. all in barrels f.o.b. New York. Kegs of 100 pounds each are held at 4c. above, the barrel price.

Potash Caustic—No improvement in the supply situation and none is expected until one of the important strikebound plants starts producing. Market position tight. May exports were 508,633 pounds, Canada taking 417,337.

Potassium, Carbonate—Current shortage causing hardship at some of the glass specialty plants. Cutback production holding supply situation exceedingly tight.

Soda Ash—One of the strike-bound plants at Baton Rouge has started producing soda ash. So far this material is confined to bulk shipments. No caustic soda or chlorine has been made at this plant. The break in the strike is about the only favorable feature in the market. The supply is definitely tight with demand strong. May exports totaled 10,538,092 pounds and include 6,587,235 pounds to Mexico, 1,230,000 to the Philippine Republic and 744,275 pounds to Cuba.

Soda, Caustic—Available supply steadily diminishing. The market in general did not appear as tight as soda ash but it was slanting toward that goal rapidly. Cutback production and heavy industrial demand have seriously affected the consuming industries and no improvement is expected until after the strikes have been settled.

May exports amounted to 25,367,635 pounds of solid, including 17,451,700 pounds to Argentina, 2,574,700 to Colombia and 2,556,580 pounds to Cuba. Exports of liquid totaled 7,663,562 pounds and included 1,981,826 pounds to Mexico and 3,229,360 to Canada.

Tin Salts—Higher prices for the metal have caused an upward revision in quotations for tin based chemicals. The breakdown shows chloride stannous anhydrous at 86.32c. to 87.32c. per pound, crystals 70½c., oxide $1.04 to $1.08, sulphate stannous 96.94c. to 98.94c.; tetrachloride anhydrous 60c. to 61c. per pound, all prices f.o.b. the works. Sodium stannate was priced at 56.9c. to 62.3c. per pound, freight allowed East.

Acids

Acetic—Glacial prices have been advanced ½c. per pound and the general market is higher all around. A sharp pickup in demand, particularly from the rayon mills and other textile mills, has reduced the available supply materially. Tankcars of technical are now $8 per 100 pounds works, freight equalized with rec-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Acetic acid, glacial, ½c. per lb.
Aluminum sulphate, commercial, 15c. per 100 lbs.
Ammoniac, sal, gray, 45c. per 100 lbs.
Bleaching powder, ½c. per lb.
Lead acetate, 1c. to 1¼c. per lb.
Monochloracetic acid, l.c.l., 1c. per lb.
Sodium stannate, 1.4c. per lb.
Tin chloride, 2.20c. per lb.
crystals, 1½c. per lb.
metal, 3c. per lb.
oxide, 4c. per lb.
sulphate, 2c. per lb.
tetrachloride, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
225.5	223.4	223.4	216.4	222.4

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
122.2	121.9	121.9	121.8	121.8

(For Current Prices see Page 9)

COLUMBIA

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
FIFTH AT BELLEFIELD • PITTSBURGH 13, PA.
BOSTON • CHARLOTTE • CHICAGO
CINCINNATI • CLEVELAND • MINNEAPOLIS
NEW YORK • PHILADELPHIA • PITTSBURGH
ST. LOUIS

PACIFIC BRAND
BORAX
GRANULAR • POWDERED
100 LB. PAPER BAGS

COLUMBIA CHEMICALS
PAINT • GLASS • CHEMICALS • BRUSHES • PLASTICS
PITTSBURGH PLATE GLASS COMPANY

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
CHURCH & DWIGHT CO., Inc.
70 PINE STREET Phone Digby 4-2181 NEW YORK 5, N. Y.

SILICATE OF SODA
40° and 60°
EXPORT — DOMESTIC
TURPENTINE - LINSEED OIL - MINERAL SPIRITS
CHAS. L. READ & CO., Inc., 120 Greenwich St., New York 6, N. Y.
Telephone: WOrth 4-1131

GEORGE F. SMITH SALES & CHEMICALS CORP.
CHEMICALS
Specializing in
ARSENIC COPPER SULPHATE CRESYLIC ACID
SODIUM CYANIDE NICKEL SULPHATE STEARATES
CERIUM-LANTHANUM-THORIUM and other RARE EARTH SALTS and METALS
60 East 42nd Street, New York 17, N. Y.
Cable Address: Geosmith, N. Y.
Telephones: MUrrayhill 7-5651-2-3-4

WE WILL BUY YOUR
Surplus Chemicals
SOLVENTS WAXES OILS
RESINS DRUGS ETC.
WIRE OR PHONE
FOR IMMEDIATE ACTION!
All offers held in strictest confidence.
Barclay CHEMICAL COMPANY, INC.
77 VARICK STREET NEW YORK 13, N. Y. - WO 4-5120

"hear that buzzing?

everybody's calling
CYANAMID
for **AERO*BRAND**
PRUSSIATES!"

yellow prussiate of soda
yellow prussiate of potash
red prussiate of potash
REDSOL CRYSTALS**
(Potassium Sodium Ferricyanide)
REDSOL B SOLUTION
(Sodium Ferricyanide in Solution)
*Trademark
**®

AMERICAN Cyanamid COMPANY
INDUSTRIAL CHEMICALS DIVISION
30 Rockefeller Plaza • New York 20, N. Y.
In Canada: Dillons Chemical Co. Ltd.,
Montreal and Toronto

METOL
Monomethylparaminophenol Sulphate
Registered Trade-Mark
TANNIC ACID • GALLIC ACID
(U.S.P and Technical Grades)
PYROGALLIC ACID • HYDROQUINONE
ZINSSER & COMPANY, Inc.
HASTINGS-ON-HUDSON, NEW YORK

FIRSTOLINE CHEMICALS
IMMEDIATE SHIPMENT
AMERICAN AND FRENCH PROCESS
ZINC OXIDE
For all Pharmaceutical, Cosmetic and Industrial Purposes
•
ZINC CARBONATE
ZINC STEARATE • ZINC SULFATE
NICKEL SULFATE • NICKEL FORMATE
COPPER SULFATE
CHROMIC ACID
POTASSIUM PERMANGANATE
SODIUM CYANIDE
•
INDUSTRIAL CHEMICALS
PLASTICIZERS
SOLVENTS afc PIGMENTS
american FIRSTOLINE CORPORATION
420 LEXINGTON AVE., N. Y. 17, N. Y. MU-3-3203 CABLE ADDRESS: FIRSTOLINE

ognized competitive points. Drums in carlots are priced at $9.50 per 100 pounds and at $10 for less, same basis as tanks.

Chromic—Active demand for plating requirements has kept the supply situation tight. Production has been kept down through the difficulty in securing sodium bichromate, a reflection of the current pinch in soda ash. May exports totaled 45,150 pounds.

Monochloracetic—Higher prices are named for l.c.l. quantities and some suppliers have advanced the carlot price although 18c. per pound was still named in some quarters. Smaller lots were held at 19c. to 21c. per pound according to quantity and seller.

Muriatic—Supply situation tighter than a month ago but no serious shortage to date. Demand steady and market position firm. May exports totaled 566,494 pounds with 491,630 pounds going to Canada.

Sulphuric—No indication of easement last week. Production has been sustained around top levels but demand has exceeded output and the supply situation has remained definitely tight. Strong demand from manufacturers of titanium pigments and from makers of aviation gasoline has contributed to the current shortage of stocks. May exports amounted to 822,184 pounds including 595,890 pounds to Colombia.

India's sulfuric-acid production capacity increased to 150,000 long tons in 1949 from 100,000 tons in 1948, the Ministry of Industry and Supply reports. That for superphosphate rose 15 percent in the same period—to 90,000 tons annually.

Nonferrous Metals

Aluminum — Production of primary aluminum totaled 61,929 short tons in May, the greatest domestic monthly output since July, 1944, according to the Bureau of Mines. The average daily rate of production reached nearly 2,000 tons, as it continued an uninterrupted trend begun 6 months previous.

Copper—No easement in demand from consuming sources. The trade expressed surprise over the tabling of the import tax suspension bill by the senate finance committee. Electrolytic priced at 22½c. per pound delivered Valley or Middlewest basis.

Total United States mine output of recoverable copper was virtually unchanged in June at 75,168 tons as compared with May, but on a daily average basis rose 4 percent to the highest average since March, 1949, according to the Bureau of Mines. The relatively small change was despite wide variation in outputs in the leading copper-producing areas: Nevada rose 41 percent, New Mexico 14 percent, and Arizona 2 percent, while Utah fell 9 percent and Montana 6 percent.

Lead—Increased demand with a desire to build up inventories has created a firm market. September shipments commanded the most attention. The common grade was priced at 12c. per pound New York and 11.80c. St. Louis.

Average daily rate of lead production from domestic mines in June dropped 13 tons or 1 percent but remained well above the monthly average rate in 1949, according to the Bureau of Mines. Lead output for the month, in terms of recoverable metal, was 36,246 short tons, an average of 1,208 tons per day compared with 37,837 tons in May produced at an average rate of 1,221 tons per day.

Platinum—Purchases of 34,000 troy ounces by the U. S. from the British Government stocks were announced by the Economic Cooperation Administration. The purchase was for the raw material stockpile and has already arrived here.

Quicksilver — Small lots were sold at $80 per flask on spot with demand fair. Round lots, 1,000 flasks were offered for October shipment at $75.50 and 100 flask

SAVE MONEY ON
POLYETHYLENE
(Wonder Plastic)
BAGS and LINERS
Manufactured to your specifications
Write, Wire or Call
PELAMAY PRODUCTS, INC.
629 2nd Avenue, N. Y. 16 LE 2-0570

SODIUM SULPHIDE — C.P. WHITE CRYSTALS
FERRIC CHLORIDE
IRON SULPHATE — U.S.P. AND TECH. GRADES
ZINC NITRATE
SELDNER & ENEQUIST, INC.
Chemical Manufacturers Since 1902
86-112 HAUSMAN STREET, BROOKLYN 22, N. Y. EVERGREEN 8-7430
NO CONNECTION WITH ANY FIRM OF SIMILAR NAME

Manufacturers of
Red and Black **COPPER OXIDE**
COPPER SCALE
ROBERT A. COUPE, 260 Rhode Island Ave., PAWTUCKET, R. I.
Telephone: PErry 3354

First for Fine Chemicals
B&A BAKER & ADAMSON QUALITY STANDARD OF PURITY
Ammonium Oxalate
Purified
BAKER & ADAMSON
Fine Chemicals
GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
Offices in principal cities from coast to coast

lots at $78. An arrival of 1,000 flasks from Leghorn was noted last week.

San Francisco.—Milder inquiry is reported this week. Spot metal continues tight and quoted at $80 per flask.

Silver—Market held a satisfactory degree of balance without uncovering any new price change. The New York market remained at 72¾c. per ounce.

Mine output of recoverable silver in June was 3,441,716 ounces, a decline of 5 percent below May, but on a daily average basis was only 2 percent less, according to the Bureau of Mines. There was considerable spread between the smallest and largest changes in rates of operation in the leading silver-producing areas, although the drop in Idaho, by far the leading producer, virtually coincided with the shorter month, and the decreases of 6 to 7 percent in Utah, Arizona, Montana, and Nevada were less than 4 percent on a daily average basis. Output in Colorado dropped 11 percent, the biggest decline among large producers and in California rose 34 percent, the greatest gain.

Tin—Continued to swing upward to $1.05 per pound on strong advices from London and Singapore. The market established a new high record for the year. Near the close, sales was reported at $1.05.

Zinc—Prime western continued firm with August and September shipments heavily under contract. Stocks are getting shorter and the supply position is tight. The price of 15c. per pound remained effective East St. Louis basis.

Regardless of a steady increase in smelter output during the first seven months of this year, stocks on hand at the end of July were the lowest for the year, at 19,687 tons. At the end of January, stocks totaled 82,037 tons and at the end of July, 1949, 85,408, according to the American Zinc Institute. Output during July was 77,868 tons, compared with 74,569 a year ago. Shipments last month were reported as 84,846 tons, compared with 72,080 in July, 1949. Unfilled orders at the end of July totaled 65,368 tons, compared with 53,423 a year ago. Production of prime western was 35,298 tons and stocks on July 31 were 8,311 tons.

Philippine Imports During April-June

Statistics on imports of American chemicals and petroleum products into the Philippines during the period April 1 through June 30 have been compiled by C. E. Mauchenheim, spokesman for Robot Statistics, New York.

Data on second quarter arrivals in metric tons follow:—

Ammonium phosphate	186
Fertilizers	257
Insecticides	220
Industrial chemicals	255
Sulphuric acid	57
Aluminum sulphate	505
Anhydrous ammonia	89
Borax	97
Calcium carbide	214
Carbonate	99
Chloride	105
Carbon, activated	167
Caustic soda	2,075
Chlorine	94
Cyanide	51
Ferrosilicone	68
Photographic chemicals	52
Rosin (gum)	735
Soda ash	1,904
Sodium bicarbonate	157
Sodium hydroxide	376
Sodium silicate	509
Sulphate of soda	51
Petroleum Products	
Asphalt	5,380
Brake Fluid	93
Paraffin	1,055
Petrolatum	589
Semi-refined wax	158

Glass Container Shipments Down

The total shipment of narrow-neck containers in gross during June was 9,343,953, as compared with 9,643,330 in May, according to the Bureau of Census. In this category, the amount used for medicinal and health purposes was 1,075,131 in June, against 1,163,334 in May; chemicals, 624,708 in June, against 615,518 in May, and toiletries, 402,906 in June, against 523,444 in May.

The total shipment of wide-mouth glass containers in gross during June was 3,436,456, as compared with 3,328,128 in May. In this category, the amount for medicinal and health purposes was 265,470 in June, against 287,591 in May; chemicals, 98,838 in June, against 114,653 in May, and toiletries, 105,180 in June, against 183,972 in May.

Reynolds Stock Increase Voted

An increase in authorized common shares from 1,500,000 to 2,500,000 shares was voted last week by stockholders of Reynolds Metals Company, Richmond, Va. A spokesman of the company stated that the action of itself does not increase the number of the company's common and that Reynolds has no present plans for issuing any of the additional 1,000,000 shares authorized.

Flobeck Joins Diamond Alkali's N.Y. Office

J. A. Flobeck has joined the New York-New England branch office of Diamond Alkali Company at New York in a special sales capacity. Mr. Flobeck, who had been sales manager of Sessions-Gifford Company, Providence, R. I., since 1947, will concentrate chiefly on sales contracts and special customer assignments in his new Diamond post.

Mr. Flobeck was connected from 1930 to 1937 with The George Chemical Company, predecessors to the present Diamond Alkali Company New York sales organization. In 1937 he was transferred to sales and service work in Diamond's standard silicate division and operated out of New York and Jersey City.

Trade Briefs

General Aniline & Film Corporation, New York, has appointed Frank L. Esposito plant accountant of the Grasselli, N. J., works division.

Philip R. Monaghan has joined the Sales Department of Jefferson Chemical Company, New York. He has just received a B.S. in chemical engineering from Pennsylvania State College.

TB I and TB II
MENADIONE U.S.P.
HEXYLRESORCINOL U.S.P.
PARA AMINOSALICYLIC ACID
SODIUM PARA AMINOSALICYLATE
•
HEXAGON LABORATORIES, INC.
Manufacturing Chemists
3536 PEARTREE AVE. FA 4-7550 BRONX 66, N. Y.

COTTON...
RAYON...
PULP AND PAPER...
SOAPS...
RUBBER RECLAIMING...
PROCESSING...
ALUMINUM RECOVERY...
Stauffer CHEMICALS SINCE 1885
Caustic Soda
HIGHEST QUALITY AND CONSTANT UNIFORMITY

OTHER STAUFFER PRODUCTS
BHC (Benzene Hexachloride)
Borax
Boric Acid
Boron Trichloride
Carbon Bisulphide
Carbon Tetrachloride
Chlordane
Chlorine
Citric Acid
DDT (Dichloro Diphenyl Trichloroethane)
Ethylene Trithiocarbonate
Lindane
Silicon Tetrachloride
Sodium Hydrosulphide
Sulphur — Soluble (Specially processed for all industrial and agricultural uses)
Sulphur—Insoluble (for rubber compounding and other uses)
Sulphur Chloride
Sulphuric Acid
Tartaric Acid
Textile Stripper
Titanium Tetrachloride
Toxaphene (Chlorinated Camphene)
2,4-D (Acid, Isopropyl Ester, Amine Salts)

Stauffer has been a basic manufacturer of heavy chemicals for 65 years, which explains why the policy of "quality in quantity" is firmly entrenched, and quality control laboratories are maintained to guarantee unvarying uniformity. The Stauffer Chemical Company is indeed proud of its record in the manufacture of a long list of industrial chemicals including Caustic Soda in Liquid, Solid and Flake. Hundreds of satisfied users agree that "you can depend on Stauffer's Caustic Soda!"

Caustic Soda is one of the many industrial chemicals manufactured by Stauffer, and listed in its comprehensive 106-page catalog. Write or phone for your copy today.

Stauffer CHEMICAL COMPANY
420 Lexington Avenue, New York 17, N.Y. • 221 North LaSalle Street, Chicago 1, Illinois
824 Wilshire Boulevard, Los Angeles 14, Cal. • 636 California Street, San Francisco 8, Cal.
424 Ohio Bldg., Akron 8, O. • Apopka, Fla. • N. Portland, Ore. • Houston 2, Tex. • Weslaco, Tex.

uniform... batch to batch.. order to order..

PENN-DRAKE white oils

penn drake products

PENNSYLVANIA REFINING COMPANY
Butler, Pennsylvania
Branches: Cleveland, Ohio and Edgewater, N. J., Representatives in all Principal Cities

PETROLEUM NAPHTHAS and SOLVENTS

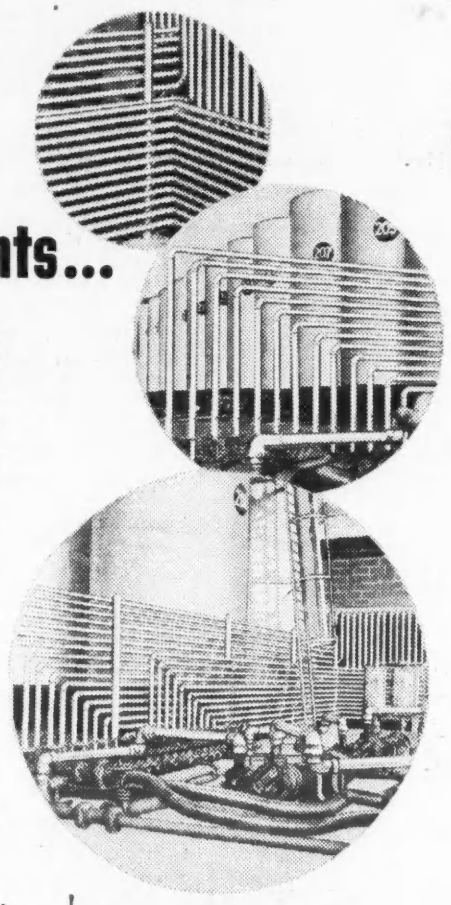
PLASTICIZERS and EXTENDERS for RUBBER and PLASTICS

BASE OILS

PARAFFIN and MICROCRYSTALLINE WAXES

SHELL SHELL OIL COMPANY
50 West 50th Street, New York 20, N. Y.

You get controlled quality with Amsco solvents...



There's a pipe for every storage tank, a pipe for every solvent. That is just one of the painstaking steps Amsco takes to keep your solvent pure and free of contamination.

But Amsco solvents give you more than quality. They give you better results, greater economy, and you get prompt service and delivery wherever you are.

You get these and other advantages because for 25 years Amsco has been developing, producing and improving solvents to meet individual requirements.

Here are a few of the other features of Amsco solvents:

- *Choice of volatility*
- *Choice of solvency*
- *Any desired boiling range, from 5° F. upward in some fractions*
- *Amsco's "Service that goes beyond the sale"*

We would like to tell you more about our products and services, how they fit your particular requirements. Just write—now—on your business letterhead.

SERVICE IN 48 STATES
Export inquiries invited

AMERICAN MINERAL SPIRITS COMPANY
Chicago, 230 N. Michigan Ave., Dept. OP-121
NEW YORK • LOS ANGELES

AMSCO

ATLANTA · BOSTON · BUFFALO · CARTERET, N. J. CINCINNATI · CLEVELAND · DETROIT · FORT WAYNE GRAND RAPIDS · HOUSTON · INDIANAPOLIS MILWAUKEE · NEW ORLEANS · PHILADELPHIA PORTLAND · PROVIDENCE · SAN DIEGO · SAN FRANCISCO · ST. LOUIS · TOLEDO · TORONTO

Petroleum Derivatives

Prices of white mineral oils advanced in another quarter during the past week by 5½c. to 6½c. in carloads, depending on grade, and 1c. more in less-than-carload amounts. Otherwise, the market for petroleum derivatives was unchanged as to price. Listings of propane and butane were scheduled to go up, but this would not happen until August 22.

Aromatic solvents were in an approximately unchanged position. Xylol continued as tight as ever. Toluol, which until recently had been somewhat easier, had been tightening up over a period of several weeks and was now just about as tight as xylol. Intermediate aromatic solvents were in good demand, but in some quarters there was reported to be a tightness of supply. Higher boilers stayed tight and no immediate improvement seemed likely. Demand held at strong levels.

The market for aliphatics remained about what it had been. The busy season for the paint trade was bringing about an increase in demand, but supplies were sufficiently high to make the filling of orders no particular problem. Lighter fractions were about the same, although some sources expected an increased demand for heptane.

Microcrystalline wax and paraffin were unchanged as to price. Demand for both was good although there was reported to be some tightness in the supply of both items. Petrolatum was firm at recently advanced levels and the demand continued strong. Some sources reported supply none too free.

Solvents and Diluents

Aromatic Solvents—There was no real change in the supply and demand picture for toluol and xylol during the past week. Some weeks back toluol was a little easier than xylol on supply, but recently it tightened up so that now both were in about a comparable position. Demand for both items continued strong and the indications were that it would go on that way. It was thought that some users were buying ahead as far as possible, but there was not a great deal of this that could be done because lack of storage facilities made it impossible to take on the material in heavy amounts. The price range was without change during the past week and there were no indications that there were any in prospect for the immediate future. Depending on producer, demand for intermediate aromatic solvents was running from normal to strong, while the supply ranged from ample to tight. There were no changes in the price structure following the two advances made by one producer during the previous week. Higher boilers held at their previously noted prices and there were no signs of changes to come about immediately. Supply continued tight and seemed likely to become tighter if anything. The demand was good and was expected to go on that way.

Cleaners' Naphtha — Demand was holding at fairly good levels during the past week and was expected to continue that way for the immediate future, at least. Supply was high enough to meet the call without any particular difficulty. Following recent changes there were no revisions in the price listings and none were anticipated.

Lacquer Diluent—With the paint industry in its busy season of the year, the demand for this item was holding at good levels during the week and was expected to continue that way for at least the immediate future. Supply was sufficient to meet the demand. The price structure was unchanged and there were no indications that any revisions were imminent.

Mineral Spirits—Supply was holding at levels sufficiently high to meet the needs of the market without any particular difficulty. Demand was good, especially at this time of the year with the paint trade busy. The price structure was unchanged and no revisions appeared in prospect for the time being.

Rubber Solvent — The price structure showed no signs of change for the immediate future. Demand was holding up well and the rubber industry was taking its share of material. Supply was sufficiently high to accommodate the market without difficulty.

Stoddard Solvent — Supply continued high enough to make the filling of orders no problem. Demand was holding at a good level and was expected to continue that way, particularly now that the paint trade was in its busy time of the year. There were no changes in price and none were anticipated for the immediate future.

V.M.&P. Naphtha — The price picture was unchanged last week and was expected to continue that way for the immediate future. Demand was at good levels, especially with the paint trade in its busy season. Supply was at levels high enough to accommodate the needs of the market without difficulty.

Lighter Fractions

Heptane—Although there had been some talk of changing prices, listings were still holding last week. Demand was at good levels and some sources thought there might be a pickup due. Supply was sufficient for present needs.

Hexane—Prices were at unchanged levels during the past week and there were no true indications of any revisions in prospect for the immediate future. The demand was holding at good levels and in the recent past was said to have shown some pickup.

L. P. G.'s—Prices of both propane and butane were holding at previously established levels last week, but it was learned that on August 22 there were to be advances in the Group 3 area. Propane was to go up ¾c. to 3c. and butane ½c. to 3½c. The demand in general was at good levels and the supply was high enough to satisfy the market's needs without difficulty.

Pentane—Prices held at previous levels. Demand was reasonably good and supply was high enough to fill the needs of the market without any particular difficulty.

Waxes

Microcrystalline—Supply was characterized as tight to satisfactory, depending on the source reporting. The demand was good and the indications were that it would continue that way for the foreseeable future at least. There were no changes reported in the price structure and there were none anticipated for the immediate future.

Paraffin—Although the supply was reported to be tightening there was no word on any price change and it appeared that listings would hold for the present time at least. The demand was being noted at strong levels and was expected to go on that way for at least the foreseeable future.

Miscellaneous

Petroleum—Prices were holding last week at the recently established advanced levels. Demand continued at excellent levels, but, depending on producer, the supply was said to be running from sufficient to tight.

White Mineral Oils—Another producer announced during the week that it had advanced its listings. Depending on grade, of the technical and USP, the advances were of 4½c. to 5½c. a gallon. During the previous week one producer upped its listings by 5½c. to 6½c. in carloads and 1c. higher in less carloads. As re-established, the listings now showed a range. Demand was at a good point and supply continued about fair.

Los Angeles Petroleum Market

Supplies continue sufficient to meet active inquiry due to heavier seasonal demand. No price changes are reported with cleaning solvent listed from 15½c. to 19½c. per gallon, tankwagon, ex-tax f.o.b. Los Angeles basin area. Stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis. Lacquer diluent listed from 16½c. to 20½c. per gallon, same basis.

Butane and propane continue in excellent supply position with light inquiry reported. Posted prices remain at 5.3c. per gallon, tank-cars, f.o.b. Los Angeles for both L.P.G.'s.

Inquiry continues normal for high melting point waxes with stocks plentiful. 140/147 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, quoted 6.95c. per pound. 146/148 ASTM, same basis, 7.15c. per pound, and 157/162 ASTM, quoted at 7.6c. per pound same basis. Tankcar prices listed at 6.05c., 6.25c. and 6.9c. per pound respectively.

Market Trends

Prices Advanced

White mineral oils, 5½c. to 6½c. per gal. in carloads; 1c. higher in less than carloads.

Prices Reduced

None

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

Shell Oil Publication On Greases Available

"The Fundamentals of Lubricating Greases and Their Application" are covered in a new educational booklet of that title published by Shell Oil Company, New York. The new booklet, which is available free, is the eleventh and latest in Shell's "Panorama of Lubrication" series, used in industry and schools for more than fifteen years. It is printed on heavy, glossy paper and contains forty pages of text, photographs and drawings, many in color.

The basic theme of the booklet is its explanation of the scientific principles that make greases a separate category of lubricants. They are far more than "thickened oils," the booklet explains. They have distinct and specially-planned qualities that fit them for jobs that oils are not meant to do. Besides describing the make-up and general character of greases, the booklet discusses the jobs greases can do best and tells how greases are made to do particular jobs.

Ethyl Corp. Names Taylor Assistant Research Head

John B. Taylor, jr., has been appointed assistant director of research at the Ethyl Corporation laboratories in Detroit, Mich., to direct research on automotive and aviation products. Mr. Taylor joined Ethyl nineteen years ago as a field engineer in Baltimore, Md., and three years later was transferred to the company's technical service activities in Detroit. During the war years he served as coordinator and assistant director of engineering research, and for the past three years has been executive engineer of the research laboratories.

Jersey Standard Revives Military Service Program

Standard Oil Company (New Jersey), New York, has reestablished its program providing protection to families of employees called into the armed forces. The present plan, the third such program inaugurated by the concern since Pearl Harbor, become effective August 1 and calls for provisions to dependents, a number of benefits for employees without dependents and guarantees an employee his old job or its equivalent upon his return from military service.

Under the program, an employee entering the armed services is granted a military leave of absence from the company. Dependents of such an employee will receive monthly payments from the company during his period of active military service equal to the difference between the employee's regular company pay and what he is paid in service, with a maximum fixed at one-half the employee's regular company pay. Other features include payment of two months' salary upon entrance into military service, vacation pay, continuance of group insurance for the first ninety days of military service, and survivor benefits.

Jersey Standard's principal marketing affiliate, Esso Standard Oil Company, has adopted a similar plan for its employees and Jersey has recommended its consideration of the program by its other domestic affiliates.

Belchetz Opens Offices

Dr. Arnold Belchetz, formerly chief technologist for Shell Petroleum Corporation, and later head of the new processes department M. W. Kellogg Company, is now practicing as a consultant to the petroleum and chemical industries. Dr. Belchetz was at one time director of research and development for Stauffer Chemical Company. His consulting offices are located at 125 Woodbine avenue, Larchmont, N. Y.

VIKING
Petroleum Solvents
PENTANE • HEXANE • HEPTANE
PETROLEUM ETHER
LIGROIN • BENZINE
Special Solvents for Specific Purposes
LOW COST — HIGH QUALITY
UNITED FUEL GAS COMPANY
K. V. BLDG., CHARLESTON, W. VA.

STEEL BARRELS
All Types
18 to 30 Gauge — 6 to 65 Gal. Capacities
BOLTED CLOSING RINGS
Your Inquiries Invited
F. C. THORNTON CO.
Founded 1917
6712 Union Ave. Cleveland, Ohio

ULTRA-PENN
Specialists in quality
PETROLATUMS — WHITE OILS
for every purpose
Ultra-Penn Refining Co., Butler, Pa.

PETROLATUMS
(Refined to strictly controlled quality specifications)
Quaker State Oil Refining Corp.
WAX DEPT. OIL CITY, PA.

these are the reasons why **PETROLITE** is your best buy in **MICROCRYSTALLINE WAX**

PRODUCT
Petrolite Crown Waxes are outstanding in the Microcrystalline group. Their wide range of specifications, including extreme hardness, high melting points, emulsifiability, light coloration and high gloss make them applicable to a wide range of uses.

METHOD OF MANUFACTURE
Petrolite Microcrystalline Waxes are made from selected crude stocks, in the Petrolite refinery which is designed and operated for just one end product — fine wax. Petrolite Wax is an *objective*, not a *by-product*.

SPECIFICATIONS

Crown Wax Number	Melting Point °F	Penetration 100 g., 5 sec.	Color N.P.A.	Acid Number	Sap. Number
200	190/195	10 max.	Bro-Blk	Nil	Nil
500	190/195	10 max.	2 to 2½	Nil	Nil
700	190/195	5 max.	2 to 2½	Nil	Nil
1035	195/200	2 max.	2 to 2½	Nil	Nil
23	180/185	6 max.	6 max.	20-25	55-65
36	180/185	8 max.	8 max.	30-35	85-95

Complete technical data, price information and free samples are yours for the asking.

Petrolite PETROLITE *Crown* WAX
PETROLITE CORPORATION, LTD. • WAX DIVISION
30 BROAD ST., NEW YORK 4 ★ REFINERY: BOX 390, KILGORE, TEX.
PWQ - 50 - 4

KESSCO PRODUCTS CHEMICAL SPECIALTIES
PLASTICIZERS
Cellulose, Vinyls, Rubber, Resins
SOFTENERS
Leather, Rubber, Textile, Paper
EMULSIFIERS
Cosmetics, Foods, Pharmaceuticals, Petroleum, Agriculture Insecticides
KESSLER CHEMICAL CO., INC.
ESTABLISHED 1921
STATE ROAD and COTTMAN AVE. • PHILADELPHIA 35, PA.

MURIATE OF POTASH
62/63% K_2O Also 50% K_2O

MANURE SALTS
20% K_2O Minimum

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.

REG. U. S. PAT. OFF.

UNITED STATES POTASH CO., Inc., 30 Rockefeller Plaza, New York 20, N. Y.

PROPER CONDITIONERS PROVE PROFITABLE AND BUILD GOOD WILL
Prompt and future shipments - - Your inquiries invited
Telephones: Lombard 3-2123-4 2288-9
THE DICKERSON COMPANY DREXEL BLDG. PHILA. 6 PA.

Sulphate of Ammonia • Nitrogen Solutions • Ammonia Liquor
Anhydrous Ammonia • Arcadian* Nitrate of Soda • Urea
A-N-L* Fertilizer Compound
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N.Y.
Barrett NITROGEN
HEADQUARTERS FOR AMERICAN-MADE NITROGEN
*Reg. U. S. Pat. Off.

DDT
100% TECHNICAL GRADE
* Wettable Powder
* Dust Concentrates
* Emulsifiable Solutions

2,4-D
ACID AND SODIUM SALT
* Tech. Butyl Ester
* Tech. Isopropyl Ester
* 40% Butyl Ester Solution
* 44% Isopropyl Ester Solution
* 40% Amine Salt Solution

Write, call or wire for samples and prices

2,4,5-T TECHNICAL ESTERS

Kolker Chemical Works Inc.
80 LISTER AVENUE NEWARK 5, N. J.
Tel. MArket 2-5458 Coble Address: Kolkchem

Agricultural Chemicals

It looked as though packing house by-product prices were leveled off last week at the recent advances. No weak spots were uncovered but buyers were not reaching for materials. After selling a moderate amount of castor pomace at the late advance, producers withdrew and the market remained bare of stocks. Dried blood and tankage closed steady and bone meal maintained a firm position.

Ammonium nitrate supplies were tight with further reports of production being well sold ahead. The tone of both grades of ammonium sulphate appeared firmer with an absence of excess stocks. Shipments of potash against contracts continued heavy with producers at or near scheduled requirements. No unusual activity featured superphosphate and no new price developments could be traced. Sodium nitrate met consuming wants without difficulty. The critical shortage of chlorine is seriously affecting the production of insecticide materials processed with this chemical.

Production of ammonium sulphate in Japan in April, 1950, totaled 135,000 metric tons (110,430 tons in March), and output of calcium cyanamide was 44,000 tons, or 21,000 more than in March. Both production figures for April exceeded all postwar records; the increases are attributed to unusually favorable power conditions and the greater availability of raw materials. Emphasis is being placed on manufacture of ammonium sulphate. It is believed that production in May, 1950, was near the limit of the industry's rated capacity of 145,000 tons.

Production of nitrogen in Norway has increased sharply since the war. Output in 1949 totaled 133,599 metric tons (N content), compared with 84,178 tons in 1938. The sharp rise is due to mounting production of calcium nitrate through extensive modernization of old plants and the opening of the new factory at Glomfjord.

Nitrogenates

Ammonium Sulphate — Coke-oven production meeting requirements with some contracts being placed. Converters' stocks remain relatively tight. Bureau of Mines gives June output of coke-oven sulphate at 146,831,538 pounds, an increase of 1.7 percent over the 144,445,446 pounds made in May. In June, 1949, production amounted to 134,182,900 pounds. The total for the first half of 1950 was 792,466,227 pounds, against 855,462,500 for the corresponding period in 1949. Sales in June were 142,596,427 pounds, a decline of 20.2 from the 178,663,961 pounds in the preceding month. In June, 1949, sales amounted to 121,001,000. Sales for the first six months in 1950 totaled 809,712,103 pounds, compared with 856,684,600 for the same time last year. Stocks on June 30 were 112,722,357 pounds, against 114,947,174 on May 31 and 47,682,900 on June 30, 1949. A peculiar item in the trade last week was an offering from Switzerland of American sulphate at $41.60 per ton in bulk and at $45.15 in bags f.o.b. U. S. port.

Bone Meal—Steamed held its recent advance and the market for all grades appeared firm although the feed trade was not reaching for material.

Castor Pomace—No additional offerings reached the market. Last sales were at $32.50 per ton works, bags carlot shipments.

Dried Blood—It looked as though the market had leveled off at the late advance. Demand fair with $8 per unit of ammonia named locally and $8.50 at Chicago.

Fish Meal — Production in the United States and Alaska in June totaled 26,825 tons, 630 tons more than in the same month in 1949, according to the Department of the Interior. During the first six months of this year, output amounted to 56,077 tons, compared with 57,308 tons for the same period in 1949. Production of menhaden meal in June was 17,914 tons, against 20,429 for June, 1949. Output for the first six months this year was 25,121 tons, compared with 31,238 tons for the same time in 1949. Prices uncovered no new changes last week. At Baltimore $135 per ton was the prevailing price.

Sodium Nitrate — Suppliers have satisfied a seasonal demand without difficulty. Prices were unchanged.

Tankage — Demand active enough to hold prices. Sales New York reported at $8 per unit of ammonia and $9 Chicago.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
82.2	82.2	82.2	81.6	81.6

(*For Current Prices see Page* 9)

Phosphates

Phosphate Rock — Contract shipments continued the chief factor in the movement of Florida rock. The larger acidulators are taking on a seasonal amount of stock. The export market remained relatively quiet.

Production of phosphate rock in French Morocco in 1949 totaled 3,692,961 metric tons; 2,765,261 tons were mined at Khouribga and 927,700 tons at Louis-Gentil. After improvements were made to 50 percent of the kilns, hourly production in 1949 rose to 36 tons and 56 tons, respectively, at Khouribga and Louis-Gentil, compared with 29.9 tons and 36.6 tons in 1948.

Superphosphate—No unusual activity during the period under review. Demand did not exceed seasonal limits and there were no new price developments to record.

Potashes

Demand strong for contract shipments with producers fully committed through May 1951. Production continued at capacity. Temporary boxcar shortages have occurred but nothing of a serious nature to date. Last year transportation facilities were adequate and it is hoped the situation will remain favorable over the grain moving period.

A concession for production of potassium sulfate has been granted to a company in Tripolitania. The material will be obtained by solar evaporation from salt pans near the Tunisian border. It is planned to construct a plant to make 27,000 metric tons annually. Machinery will be obtained from Italy and the factory is expected to be in operation within 2 years.

Pesticides

Stocks of BHC and DDT continued tight last week without any immediate easement in sight. The critical scarcity of chlorine may hold these insecticides in a tight condition for some time ahead. Producers of copper sulphate have booked a sizable amount of business for October shipment at current prices. Toxaphene production is still being shipped against July contracts with August expected to start this week. Here again chlorine has prevented production from reaching schedules. Demand is active and expected to hold over the month.

For the third year, a survey will be conducted to determine if golden nematodes, pests which infest the soil and greatly reduce potato yields, are present in New Jersey. The State Department of Agriculture and the U. S. Bureau of Entomology and Plant Quarantine are co-operating. No trace of the pest was found in the 1948 and 1949 surveys.

Calcium Cyanide—Demand steady with production meeting requirements. The price range extends from 30c. to 50c. per pound, depending upon the quantity and style of container, delivered East of the Rocky Mountains. Sales of considerable volume have been made for grain fumigation in the Middlewest.

Cryolite—Shortages in some of the important synthetics have broadened the demand for this material. Prices have continued firm with stocks meeting requirements without difficulty.

Sulphur

No relaxation in demand last week. Mine shipments continued heavy particularly to the chemical industry. Stocks meeting requirements at former price levels.

Los Angeles Fertilizer Market

Los Angeles.—An active market is reported for inorganic materials with listings unchanged. Fish meal is stronger with increases for both tuna and sardine meal. Bone meal is in light supply with movements slow.

Ruling prices were:—

Ammonia nitrate—$69.94 per ton, domestic,

For Late Market Developments, See Page 4

f.o.b. Los Angeles. $70.39 per ton, Canadian material, f.o.b. Los Angeles. Ammonia phosphate, $65.15 per ton for 16 20 grade, f.o.b. Los Angeles; $89.65 per ton for 11/48 grade, f.o.b. Los Angeles. Canadian material. Ammonia sulphate, $49 per ton in bags, f.o.b. Los Angeles. Canadian material same bagged. $2.50 less in bulk. Blood meal, $7 per unit of ammonia at source. Bone meal, $70 per ton, imported, steamed, 1 30 meal, f.o.b. Los Angeles. Fish meal, $152.75-$156 per ton for 65 percent sardine, f.o.b. Los Angeles. $135-$141 per ton for 60 percent tuna, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. Bulk quoted $48 per ton. Potash muriate, 48½c. per unit bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton for bulk, f.o.b. Los Angeles area. $2.50 additional for bags. Triple, $68.50-$72 per ton for bulk, 47 percent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, fertilizer grades, $5-$5.50 per unit of ammonia at producing plant.

ELBERT & CO.
INCORPORATED
SODIUM CYANIDE
96%-98%
Powder and 1oz. Pellets
CRESYLIC ACID
WHITE ARSENIC
ZINC OXIDE
YELLOW PRUSSIATE POTASH and SODA
2 Broadway, N. Y. C.
DIgby 8 2670

N. Y. Chemical Reserve Officers Get Training

Forty chemical executives, school teachers and practicing chemists, all reserve officers from the New York metropolitan area and members of the 9721st Organized Reserve Technical Service Unit, last week completed a fourteen-day "pre-mobilization program." The special course, conducted for the first time this year in the New York chemical procurement district and regarded by the army in the nature of an experiment, was set up to train men to take over chemical assignments in the army immediately in the event of call to active duty.

Working out of the chemical corps office at 111 East 16th street, the trainees were briefed on the army's chemical needs and problems and procurement methods. The course included a tour of chemical manufacturing plants in the New York area, as well as data on security, administration and logistics.

Arkell & Smiths Names Robertson Comptroller

J. H. Robertson has been appointed comptroller of Arkell and Smiths, Canajoharie, N. Y. Mr. Robertson was associated with Lybrand, Ross Bros. & Montgomery, New York City accounting firm, since 1944, prior to accepting his new position. Before that, he was comptroller and treasurer of the Heyer Products Company, Belleville, N. J., and earlier held the same position with the Isolantite Company, Belleville, N. J.

Metal Can Shipments: May

Total shipments of metal cans during May showed an increase, according to the Bureau of Census. These figures are based on the metal can shipments expressed in terms of weights of steel consumed in the manufacture of the cans shipped. In the month of May, metal can shipments on this basis amounted to 282,788 short tons, as compared with 224,203 tons shipped during April. Shipments during January-May of this year amounted to 1,151,005 tons, as against 1,019,735 tons shipped during the corresponding period of 1949.

Producers of SULPHUR
Uniformly high purity of 99½% or better
TEXAS GULF SULPHUR CO. Inc.
75 E. 45th Street New York 17, N.Y.
Mines: Newgulf and Moss Bluff, Texas

PRUSSIATE OF SODA
HENRY BOWER CHEMICAL MFG. COMPANY
30TH & CRAYS FERRY RD. PHILADELPHIA 46, PENNA.

Heckathorn AND COMPANY
INSECTICIDE PROCESSING
All types of grinding, blending and packaging facilities for liquids and powders.
2, 4-D • DDT • BHC • Chlordane • Pyrethrum
HECKATHORN AND CO. 641 4th St., Richmond, Calif.

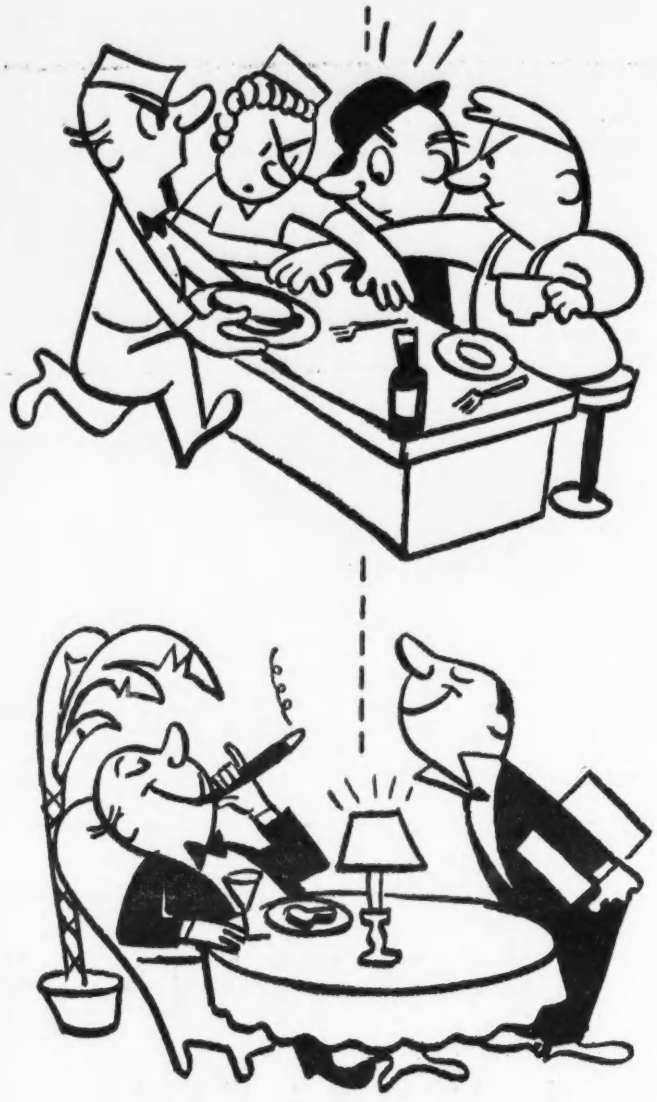
SURPLUS INVENTORY

AROCLOR No. 1254	9,000 lbs.
DIANISIDINE	660 lbs.
DINITROCHLOROBENZENE	5,000 lbs.
MONOETHYLAMINE	28,000 lbs.
PROPYLENE GLYCOL	31,300 lbs.
SULFAMIC ACID	24,600 lbs.
SUPER BLUE B	500 lbs.

WILLIAM D. NEUBERG CO., INC.
Chemicals
420 LEXINGTON AVE. • N. Y. 17, N. Y. • TELEPHONE OREGON 9-2550
CABLE—"WILNEUBERG"

DIMETHYL PHTHALATE
▼
INSECT REPELLENT
▼
BIRCH PRODUCTS CORP.
369 LEXINGTON AVENUE NEW YORK 17, N Y
Telephone: MUrray Hill 5-6658

WHERE you get it...
DOES make a difference



When you place your order with Barrett you're assured prompt, dependable service and top quality products, backed by 96 years of successful manufacturing experience.

WHEN YOU NEED A COAL-TAR SOLVENT

Benzol
Toluol
Xylol
Hi-Flash Solvent

GET IT FROM Barrett

Reg. U. S. Pat. Off.

PHONE YOUR ORDERS FOR EXPRESS TANK-TRUCK DELIVERIES

Boston	Malden 2-7460
Buffalo	Delaware 3600
Chicago	Bishop 7-4300
Cleveland	Cherry 5943
Detroit	Vinewood 2-2500
Indianapolis	Garfield 2076
Los Angeles	Mutual 7948
Newark	Mitchell 2-0960
New York	Whitehall 4-0800
Philadelphia	Jefferson 3-3000
St. Louis	Lockhart 6510

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
In Canada: The Barrett Company, Ltd.
5551 St. Hubert Street, Montreal, Que.

HI-FLASH SOLVENT AVAILABLE AT ALL STATIONS, EXCEPT BUFFALO.

Coaltar Chemicals

By last week the various producers of coaltar basic and intermediate chemicals had completed price adjustments in many items, the initial announcements of which were previously reported in OPD. Among these were cresylic materials, phenols, anilin, nitrobenzene, and other cyclic materials. The index advanced 7.4 points becoming 118.6.

Among the chemicals which last week saw announced price advances by certain producers but had not yet become market-wide, were an advance of 1 cent per pound in monochlorobenzene, orthodichlorobenzene, and trichlorobenzene, together with a higher price schedule on paradichlorobenzene. One maker of phthalic anhydride announced higher prices effective September 1 by 1½ cents per pound.

Naphthalene was stronger because of foreign producers holding off on shipments in the hope of higher prices, and because of the continued strike in the plant of a major tar distiller. This strike served to make already tight basic items still more scarce, such as cresylics, phenolics, and a wide range of basic coaltar products. What was worse about this strike was that the lost production could not be made up when operations are resumed, because the coaltar which would be normally consumed in operation of the plant could not be stored and was consequently being burned as fuel in steel furnaces.

The many and vitally important chlorinated coaltar derivatives were quite critical in supply, such as monochlorobenzene and materials made therefrom, because of the severely critical shortage of chlorine. This was the direct effect of a prolonged strike in the plants of certain chlorine producers, said to account for some 60 percent of the country's chlorine capacity.

The American Iron and Steel Institute announced the operating rate for the industry for the week ending August 12 as 99.9 percent of capacity, equivalent to 1,926,800 tons of ingots and castings. Last week the production was 1,919,600 tons, and one year ago it was 1,517,200 tons. The theoretical capacity percentage basis was changed July 1 to a new and higher basis, so that a 100 percent operating rate now represents more tons of steel than the rate based on the January 1 capacity percentage figure.

Basic Products

Benzol—Supplies continued tight, and under pressure of heavy demand for benzol derived products much of the total benzol consumption was being bought at prices considerably in excess of domestic coaltar levels. Foreign sources were demanding high prices in line with what they thought the market would bear. Synthetic petroleum material was high priced by virtue of its high cost of manufacture. And odd lots of domestic coaltar production were being shipped over long distances resulting in high net costs because of heavy freight charges. There was no expectation of any easier supply picture in the immediate future, and were it not for the severe chlorine shortage, the pressure of benzol demand would be even greater. Some 1,201,835 gallons of benzol purchased several weeks ago, arrived from Hull at New Orleans July 31.

Cresol—The already short coaltar cresylic supplies were thrown into a more critical position by the prolonged strike in the plants of a major tar distiller. Production lost in this plant during the several weeks of the strike, represented, it was stated, a loss to the country's economy because the coaltar that would normally have been used to make the many coaltar derivatives could not be stored and held for the resumption of production operations, because of insufficient storage capacity on the part of the steel companies producing the tar and the tar distilling consumer. Consequently, the tar was being burned as fuel in the furnaces of the steel producers.

Price schedules announced in July of 1 to 1½ cents per pound advances on cresol were by last week followed by other producers bringing tankcar quotations on USP material to 13½ cents per pound, and on standard resin grades to 12½ cents.

Cresylic Acid—Domestically produced acid, 50 percent boiling above 207°C was advanced 5 cents per gallon, tankcars currently being quoted at 80 to 95 cents per gallon depending upon the composition. Material of the 204 to 207°C lower boiling type was increased 10 cents per gallon, tankcars being quoted at 90 to 95 cents per gallon. These prices were effected July 18 in some quarters, and other producers had by last week followed the price trend in view of considerably increased costs.

The current market price on high boil acid in drum carlots stood at 91c. to $1.06 per gallon, and in less than carlot drum quantities at 94 cents to $1.09 per gallon. The low boil acid carlot drum prices ranged from $1.01 to $1.06 per gallon, and in less than carlot drum quantities from $1.04 to $1.09 per gallon.

Supplies of the lower boiling domestic material were reported as tight, and were being made more so by the prolonged strike in the plants of a major producer.

Naththalene—This item was definitely stronger. There was an adequate supply of material available, however, but the supply was not much more than in balance with demand. This strengthening of the market was due primarily to the fact that foreign exporters were tending to cut down on export shipments to this country, holding back for higher prices which they believed that they would eventually get. Domestically, output was hampered by a prolonged strike in the plants of one of the major tar distillers. Price patterns were unchanged from those which have prevailed in the market since early April.

Phenol—Phenol prices were by last week generally higher, following July announcements of higher spot prices. Under the current spot schedule, and effective October 1 on contract, the various phenols were priced as follows:—

Natural phenol refined to meet USP specifications was quoted at the same price level as the USP synthetic material, namely, 15½c. per pound in tankcars, 17¼c. in drum carlots, and 18c and up in less than carlot drum quantities, depending on the quantity and the container.

The 90 percent natural phenol price structure under the new schedule became 14¾c. per pound in tankcars, 16½c. in drum carlots, and 17¼c. in less than carlot drum quantities. The 82 percent natural phenol was priced at levels identical with the 90 percent.

Supplies of all types and grades of phenol were tight with no expectation of any relief in the immediate future. The natural materials were made still tighter by the sustained strike in the plant of a large tar distiller. The synthetic output which is the major source of phenol was hampered very seriously by the benzol shortage, but more particularly by the critical chlorine shortage which has become particularly severe because of the long continued strike in the plants of certain producers said to account for around 60 percent of the total chlorine output.

Pyridin—Refined 2-degree material was critically short, most producers being in a sold-up position. It was reported that orders for drum quantities went begging, and could not be filled with any degree of promptness. Prices held to former levels of 79½c. per pound in carlots and 80c. in less than carlot quantities. Most volume moved in less than carlot shipments. Demand for the manufacture of pharma-

Market Trends

Prices Advanced

Acid, cresylic, high boil, 5c. per gal.
low boil, 20c. per gal.
Salicylic, tech., 2c. per lb.
Anilin, 1c. per lb.
salt, 2c. per lb.
Cresols, 1c. to 1½c. per lb.
Cyclohexanol, 6c. per lb.
Methylcyclohexanol, 2½c. per lb.
Nitrobenzene, 1c. per lb.
Phenol, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
118.6	111.2	107.5	110.1	110.4

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended July 29 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,045,777
Ammonia sulphate	lbs.	27,080,122
Benzol	gals.	3,412,535
Coaltar	gals.	12,659,467
Creosote oil	gals.	704,523
Naphthalene, crude	lbs.	1,673,243
Phenol	lbs.	198,147
Toluol	gals.	682,507
Xylol	gals.	154,114

For Late Market Developments, See Page 4

KOPPERS NOW OFFERS

Ammonium Thiocyanate

in a new MOISTURE-PROOF package

for use in . . .

- *Improving softness and handle of TEXTILES*
- *Improving affinity of dyestuffs*
- *Protecting dyestuffs from action of copper equipment*
- *Defoliating certain agricultural plants*
- *Formulating adhesives and animal glues*
- *Hastening the curing time of synthetic resins*
- *Pickling of iron and steel*
- *Electroplating processes*

For maximum dryness, Koppers Ammonium Thiocyanate is now shipped in barrels lined with polyethylene plastic. Polyethylene's unusual resistance to moisture penetration *prevents water absorption.* And this polyethylene liner is tough and durable for long-lasting protection.

Write today for additional information on Koppers Ammonium Thiocyanate . . . low in insolubles. Samples will be furnished on request.

KOPPERS

KOPPERS COMPANY, INC.
TAR PRODUCTS DIVISION
Pittsburgh 19, Pa.

ceutical materials was strong, and while the antihistamine output was seasonally off, apparently pyridin derived pharmaceutical producers were taking their full quota of pyridin as a hedge against the full scale demand which they were sure to encounter this Fall. Continued strikes in the plant of one of the large producers was an additional contributing factor to the overall short supply position.

Toluol—Supplies were held to be scarce from an overall point of view, but not critically so. Demand was heavy and expected to continue at current levels. Prices were unchanged.

Xylol—Coaltar source material was scarce, being considerably tighter than toluol. The pressure of demand was high, and no relief could be seen in the week immediately ahead.

Intermediates

Anilin—Supplies were critical, due in part to the benzol shortage and in part to the chlorine shortage because much material is made via monochlorobenzene. Prices were currently quoted on spot at 16c. per pound in tankcars, while drum carlots ranged from 17c. to 17½c. per pound and less than carlot drum quantities at 18c. to 18½c. per pound. These prices were effective immediately on spot and October 1 on contract. The higher spot price was of little significance for other than an indication of what fourth quarter contract prices were likely to be, because the item was so tight that there was virtually no spot material to be had.

Cyclohexanol—Prices were advanced 6c. per pound bringing current quotations to 30c. per pound in tankcars, 31½c. in drum carlots, and 33c. in less than carlot drum quantities. The price adjustment was caused by an accumulation of increased raw material, manufacturing, and incoming freight charges.

Dichloroanilin — The 2,5-dichloroanilin price position was unchanged from the 75c. per pound in drum quantities which has prevailed in the market over several months. Demand was steady for drum quantities, and production was currently hampered by the critical shortage of chlorine and the insufficient supply of benzol as the basic material.

Dinitrochlorobenzene—The price schedule which this item assumed early this month for spot material and October 1 on contract was 15¼c. per pound in tankcars, 16¼c. in drum carlots, and 17¼c. in less than carlot drum quantities. Back of the price rise were such factors as the higher chlorine price structure, increased costs on much of the benzol used in its manufacture, and high freight costs.

Ethylalphanaphthylamine — The price of this item was currently listed at 88c. per pound, some 8c. per pound above schedules which had prevailed in the marketh over recent months.

Metanitroparatoluidin—Prices were still quoted in a range for spot material with most producers now quoting $1.44 per pound. However, one producer had not as yet revised schedules from the $1.28 per pound which had characterized the market over recent months.

Methylcyclohexanol—The price structure of this item advanced 2½c. per gallon effective August 4. This brought tankcar quotations to 27c. per pound, drum carlots to 28½c., and less than carlot drum quantities to 30c. per pound. These prices wer on an f.o.b. works basis.

Monochlorobenzene — One maker advanced the price of this important intermediate 1c. per pound effective immediately on spot and October 1 on contract. Other producers had not as yet announced higher prices but had the matter under advisement. Currently, the spot market quotations were listed at 7c. to 8c. per pound in tankcars, 8c. to 9½c. per pound in drum carlots, 9½c. to 10½c. in less than carlot drum quantities. Demand was far in excess of the available supply.

This was largely due to the severely critical chlorine shortage occasioned by long continued strikes in the plants of certain producers which are reported to account for some 60 percent of the total chlorine output. The benzol shortage was aslo a contributing factor. Fourth quarter contract prices were felt likely to be patterned after the higher side of the current spot price range. Material was so short that there was virtually no spot monochlorobenzene available at any price.

Nitrobenzene—Prices by last week were generally one cent higher, following the advance effected previously by some makers. The current spot schedule listed tankcars at 9 cents per pound, drum carlots at 10 cents, and less than carlot drum quantities at 11 cents. The price advance was the result of the last two upward revisions in the price of benzol

REPUBLIC BENZOLS

1° – 2°

REPUBLIC STEEL REG. U.S. PAT. OFF.

ALSO

TOLUOLS
Nitration — Commercial

XYLOLS
3° — 5° — 10° — Commercial

AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

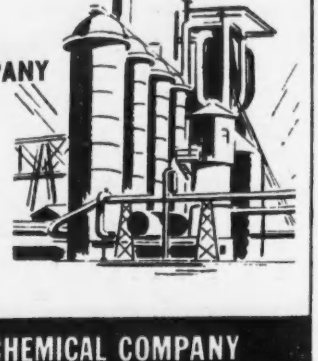
REPUBLIC STEEL
CORPORATION
General Offices • Cleveland 1, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Birmingham, Alabama • Canton, Ohio • Chicago, Illinois
Cleveland, Ohio • Gadsden, Alabama • Massillon, Ohio • Warren, Ohio
Youngstown, Ohio

FOR YOUR INFORMATION

These are the Divisions of
PITTSBURGH COKE & CHEMICAL COMPANY

COAL CHEMICAL DIVISION
EMPIRE CHEMICAL COMPANY
ACTIVATED CARBON DIVISION
PITTSBURGH AGRICULTURAL CHEMICAL COMPANY
PROTECTIVE COATINGS DIVISION
NEVILLE COKE DIVISION
NEVILLE PIG IRON DIVISION
GREEN BAG CEMENT DIVISION
NEVILLE CONCRETE PIPE COMPANY



PITTSBURGH COKE & CHEMICAL COMPANY
1955 GRANT BUILDING · PITTSBURGH 19, PA.
OFFICES: NEW YORK · SAN FRANCISCO · TULSA · HOUSTON

CRUDE
NAPHTHALENE
Hot Pressed and Whizzed

CHEMATAR, INC.
40 Exchange Place New York 5, N. Y.
HAnover 2-0364 Cables: Tarachem

BETHLEHEM
COAL CHEMICALS

AMMONIUM SULPHATE

BENZOL
(nitration, industrial, motors)

TOLUOL
(nitration and industrial)

XYLOL
(industrial)

CRUDE NAPHTHALENE
CRUDE HEAVY SOLVENT NAPHTHA
CRUDE PYRIDINE

From plants at Sparrows Point, Md.; Lackawanna, N. Y.; Bethlehem and Johnstown, Pa. Nearby points served by convenient tank-wagon delivery.

Other Bethlehem products for the chemical industry:
Forged pressure vessels • Welded pressure vessels
Chemical-plant equipment • Sheets • Alloy studs
Hot-forged nuts • Pipe • BethColite (hot-dipped tinplate)
Electrolytic tinplate • Special-coated terne plate

For full details, write or call Bethlehem Steel Company, Bethlehem, Pa., or nearest district office.

BETHLEHEM STEEL

which were effected over recent months, nitrobenzene producers until now having absorbed all of the increased costs. The current price advance was made to partially offset these increased costs. The item was in strong demand for the manufacture of anilin and other intermediate products. The general shortage of benzol tended to hamper production.

Orthocresol—The roll back in the price structure of 24 to 29 degree material by one maker, effected in July, tended to decrease the price spread existent in the market, but there still continued a range. Tankcars were currently quoted at 13½ cents to 14½ cents per pound on this grade. Other grades were firm at levels established earlier in the quarter on both returnable and non-returnable drums. Supplies were relatively low, but so was demand in most instances.

Orthodichorobenzene—One maker announced higher spot prices which become effective October 1 on contract. The announced price schedule was 1 cent per pound higher, giving to the current price pattern a 1 cent range in which tankcars were quoted at 7¾ cents to 8¾ cents per pound, drum carlots at 9¼ cents to 10¼ cents, and less than drum carlots at 10¼ cents to 11¼ cents. Higher chlorine and benzol costs accounted for the increase.

Orthonitrophenol—Barrel quantities of this material were quoted at 85 cents per pound. Demand was relatively limited, and consequently supplies were not hard pressed. Higher raw material costs affected the item.

Paradichlorobenzene—One maker announced higher prices effective immediately on spot and October 1 on contract in which carlots were quoted at 13½ cents per pound and less than carlots at 16 cents to 19 cents per pound, depending upon quantity. Other producers were studying costs in terms of making an upward price adjustment by virtue of higher priced chlorine, benzol, and greater cost of manufacturing operations and shipping.

Paraphenylenediamine — Technical material ranged in price from $1.05 to $1.30 per pound depending upon the degree of refinement and the quantity. Redistilled material was unchanged at $2.05 per pound.

Phthalic Anhydride—The initial step in what was likely to become a general trend was made last week by one producer who advanced prices effective September 1 by 1½c. per pound. Other producers had the matter under advisement and were felt likely to go along with the rise at a time somewhat nearer the end of the quarter. The advance caused a price spread to be quoted in the market in which tankcars were listed at 17c. to 18½c., bag carlots at 17½c. to 19c., and less than carlot bag quantities at 18½c. to 20c.

This was the first price change in phthalic anhydride since early April at which time the price was sharply reduced by 4c. per pound under stress of an acutely competitive situation. Most producers at that time felt that the price had been lowered too drastically. Since then the market has firmed very considerably with supplies currently not tight, but certainly not abundant, either. Demand has increased sharply, and an advancing price structure was to be expected.

Trichloroethylene—Price increases announced in certain quarters amounted to 1c. per pound on spot and effective October 1 on contract. This brought the current spot market quotations to a range of 9c. to 10c. per pound on spot, 10½c. to 11½c. in drum carlots, and 11½c. to 12½c. in less than carlot drum quantities.

EDIBLE - TECHNICAL
E G G ALBUMEN
For Every Purpose or Use
W. WALTER KOCH CO. 408 West 14th St., New York 14, N. Y.
ALgonquin 4-4020, 4021, 4022

Swanson
EVER FRESH BRAND
Hen Egg ALBUMEN
EDIBLE • TANNERS YOLK • TECHNICAL
C. A. SWANSON & SONS *Albumen Division*
General Offices • Omaha, Nebraska

IMPORTED
CRESYLIC ACID
99/100% Pale A.D.F. Specifications
SPOT • FUTURES
T. G. COOPER & COMPANY, INC.
2400 East Venango Street Philadelphia 34, Pa.

Cresylic Acid
All Grades
REINHART
Chemical Corporation
CHRYSLER BUILDING, NEW YORK 17, N. Y. • MU. 6-8536 • CABLE: RECHEMCORP

WOODWARD COAL CHEMICALS
Produced at our own plant to A.S.T.M. Specifications

BENZOL Nitration • Industrial	TOLUOL Nitration	XYLOL Industrial
CRUDE NAPHTHALENE	CRUDE PYRIDINE	AMMONIUM SULPHATE

WOODWARD IRON COMPANY • WOODWARD, ALA.
General Sales Offices: 1515 First National Building, Birmingham, Alabama • Phone 4-6786
Independent Since 1882

Textile and Leather Chemicals

Strong tone continued to feature the textile and leather chemicals market. Steady consuming demand was noted for practically the entire list. Prices were firm. Producers were reluctant to lift quotations, preferring to allocate materials to regular customers. Higher cost of acetic acid resulted in price advance for acetic anhydride and sodium acetate. Bichromates and sodium hydrosulphite were scanty supply. Egg derivatives and sago flour were higher, while potato starch was lower. Price index advanced 4.4 points.

Demand for sizing materials was active for prompt and later deliveries. Edible egg albumen was advanced 5 cents per pound and yolk 2 cents with the stronger egg market. Sago flour also was higher due to the increased cost of shipments from the Far East. Corn dextrin and starch continued in good request and all orders were subject to the market price on the date of shipment.

Inquiry for potato starch slackened to some extent, with consumers taking fair sized lots for prompt needs. Maine producers reduced the price of carlots fractionally, while smaller quantities were unchanged.

While trading in tanning materials was not active, tanners displayed more interest in foreign materials for prompt shipment from producing centers. Prices were maintained for the entire list.

United States wool output this year is estimated at 218,239,000 pounds, by the Bureau of Agricultural Economics. This is 1,300,000 pounds more than was shorn last year and is the first increase in the production since 1942. Sheep shorn were about 1 percent less that last year, but the average weight per fleece was 8.15 pounds, compared with 8.4 pounds last year. Large quantities of wool are being imported.

Cotton crop was forecast at 10,308,000 bales as of August 1 by the Department of Agriculture, a reduction of 36 percent under the 1949 production of 16,128,000 bales, and 11 percent less than the 1939-48 average of 11,599,000 bales. The smaller crop this year was due chiefly to the cut of 31 percent in the acreage and heavy weevil damage. Government officials observed that the estimate is not significant as late planted cotton will boost this figure somewhat which will be reported within the next month or two.

Market Trends

Prices Advanced

Acetic anhydride, 1c. per lb.
Castor oil, sulphonated, 1c. per lb.
Egg albumen, flake, 5c. per lb.
yolk, 2c. per lb.
Chinese, 2c. per lb.
Sago flour, ¼c. per lb.
Sodium acetate, anhyd., ½c. per lb.
N.F. powder, ½c. per lb.
Tapioca flour, Siamese, ¼c. per lb.

Prices Reduced

Potato starch, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
253.1	248.7	225.5	286.0	314.0

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Increased cost of acetic acid strengthened this material and prices were raised 1c. per pound. Demand continued active for prompt needs. Tankcars were quoted at 12c. per pound, freight allowed East; drums, 14c., carlots and 15½c., less carlots.

Bichromates—Tight supply situation continued to feature this market. Buying interest was keen, with producers refusing new business and allocating materials to regular customers. Prices were strong.

Sodium Acetate—Steady consuming demand prevailed for prompt delivery. Prices were advanced ½c. with the higher cost of basic material.

Sodium Hydrosulphite—Consuming inquiry was active, with sellers limiting sales to regular customers. Market was strong, reflecting the scarcity of soda ash replacements due to labor strikes at the latter producers plants. Prices were firm and unchanged.

Sulphonated Oils—Higher cost of castor oil increased the price of sulphonated grades about 1c. per pound. Fifty percent was lifted to 12½c. to 13½c. per pound and 75 percent to 16c. to 17c. per pound, drums, depending upon quantity. Sulphonated was unchanged and firm.

Sizing Materials

Corn Dextrin—Supplies were scarce, owing to sold up production. Producers allocated quantities to regular buyers. Demand continued keen. Producers only accepted orders for delivery at the market price on the date of shipment. Quotations of all grades were unchanged.

Corn Starch—Consuming demand was excellent for prompt requirements. Market was strong and quotably unchanged. Orders were accepted only at the market price on the date of shipment. Visible corn supply increased 1,257,000 bushels to 38,714,000 bushels for the week ended August 5, compared with 4,403,000 bushels for the corresponding week last year, according to the Chicago Board of Trade.

Egg Albumen—Firm conditions continued to feature this market. Prices were lifted 5c. per pound. Trading was fairly active for prompt delivery. Edible flake ranged from $1.35 to $1.37 per pound, and powder, $1.39 to $1.41, per pound, depending upon quantity. There was less interest in technical, though prices were steady, ranging from 75c. to 80c. per pound, according to quantity and quality.

Egg Yolk—This market also was firmer. Stocks were scarce and quotations were raised 2c. per pound. Domestic yolk was quoted at $1.22 to $1.25 per pound, according to quantity. Consuming inquiry was active, but trading was restricted by light supplies. Chinese yolk was higher, also advancing 2c. to 85c. to 87c. per pound, on spot, duty paid depending upon quantity.

Potato Starch—Maine grinders reduced quotations ¼c. per pound, for carlots to 7¼c. per pound, f.o.b. mills, while Idaho starch was unchanged at same figure, f.o.b. mills. Stocks on the spot were maintained at 7¼c. to 7½c. per pound, exwarehouse, according to quantity. Trading has slackened and was spotty. Government held starch was offered at $4.50 per 100 pounds, basis f.o.b. Maine shipping points. This includes 600,000 pounds of pearl type, packed in 200 pound burlap bags with paper innerliners, and 7,850,000 pounds of powdered type, packed in 100 and 200 pound burlap bags with paper innerliner. Export price is $5.10 per 100 pounds, f.o.b. vessel, Boston, Mass.

Production and Marketing Administration in its report of July 25, indicated sales of 730 tons of starch at 4½c. per pound, plus charges mostly in 200 pound bags, f.o.b. Maine points.

Sago Flour—Prices for shipment were fractionally higher, which strengthened the local market and advanced quotations to 7¼c. to 7¾c. per pound, exwarehouse, depending upon quantity. Business was reported light.

Tapioca Flour — Brazilian grades commanded fair interest, chiefly for spot delivery. Prices were unchanged and steady. High grade was quoted at 7c. to 7½c. per pound, exwarehouse, as to quantity; medium, 6½c. to 7c. and low, 5½c. to 6c. Siamese for shipment was stronger, and high grade was advanced ¼c. to 6c. per pound, and low, 4¾c. per pound, exdock.

Tanning Materials

Chestnut Extract—Business was light and spotty. Chiefly for prompt requirements. Market was unchanged and firm.

Cutch—Tanners continued to display active inquiry for replacements. Offerings for shipment were fair and readily absorbed at 6¾c. per pound, exdock. Arrivals totaled 3,500 bags at New York last week.

Mangrove Bark—While trading was spotty, the market remained steady. Shipments were well held at former levels.

Myrobalans—A firm tone prevailed under a fair inquiry. Prompt shipments were maintained at unchanged quotations.

Quebracho Extract—Tanners continued to show active inquiry for prompt shipment. Market was firm at former quotations. Imports totaled 22,230 bags at New York last week.

Valonia—Primary market was firm. Replacements of cups were maintained at unchanged quotations.

Wattle—Scarcity of bark and extract for shipment continued to feature this market. Buying interest was active for replacements. Prices were unchanged and firm. Offers for shipment were scanty and no improvement in the supply situation was expected until October and November, when production usually gets in full swing.

For Late Market Developments, See Page 4

One Pound or a Carload
Albumens
ALWAYS UNIFORM
ALWAYS DEPENDABLE
Liquid or dried egg albumens —in every form for every industrial use. Write for samples and quotations.
LARGEST MANUFACTURERS of TECHNICAL EGG PRODUCTS
H. GARTENBERG & CO., Inc.
412-16 W. PERSHING RD.
CHICAGO 9, ILL.
Cable Address: Gartegg

OVER 40 YEARS OF PROGRESS
Natural BICHROMATES
BUY CROW-MATES
NATURAL PRODUCTS REFINING CO., JERSEY CITY 5, N. J.

Mutual Bichromates
SODIUM BICHROMATE
POTASSIUM BICHROMATE
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE., NEW YORK 16, N. Y.
SINCE 1845
REG. U.S. PAT. OFF.

STARCHES · SIZES · ADHESIVES
POTATO STARCH & DEXTRINES
TAPIOCA FLOUR & DEXTRINES
SAGO FLOUR — RICE STARCH — WHEAT STARCH
LOCUST BEAN GUM — CASEIN — ANIMAL GLUE
AMERICAN KEY PRODUCTS, Inc.
WOrth 2-7669 15 PARK ROW, NEW YORK 7, N. Y.

DYEWOOD AND TANNING EXTRACTS
SUMAC • QUEBRACHO • GAMBIER
FUSTIC • MYRABOLAM • HYPERNIC
HEMATINE • WATTLE • TANNIC ACID
YOUNG EXTRACTS HAVE BEEN SERVING THE INDUSTRY FOR MORE THAN 80 YEARS
the J. S. YOUNG CO.
2701 BOSTON ST., BALTIMORE 24, MD.
PHILADELPHIA, PA. • CHICAGO, ILL.
PATERSON, N. J. • BOSTON, MASS.

MAGNESIA

U.S.P. MAGNESIUM OXIDE LIGHT and HEAVY

MAGNESIUM CARBONATE
U.S.P. LIGHT

GENERAL MAGNESITE & MAGNESIA COMPANY

Specialists in Magnesia

MANUFACTURERS—IMPORTERS—DISTRIBUTORS

P. O. Box 671
NORRISTOWN, PA.

Greeff

Vitamin A Concentrate

Available with the vitamin A in the form of the alcohol, acetate, palmitate or mixed natural esters. Also as a dry powder. Natural vitamin D or vitamin D_2 can be blended with any type in any desired ratio.

Exclusive Sales Agents for
COLLETT-WEEK-NIBECKER, INC.
Ossining, New York

R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Chemicals and Pharmaceuticals

We offer at attractive prices.

BLANC FIXE precipitated 98/100%
BUTYL CARBITAL
PHOSPHOROUS RED
POTASH BICHROMATE
POTASH PRUSSIATE YELLOW

Conray PRODUCTS CO.
510 AVENUE OF THE AMERICAS, NEW YORK 11, N. Y.
CABLE ADDRESS "CONRAYPRO"

CARNEGIE CHEMICALS (WELWYN) LTD

Producers of

ADRENALINE . AESCULIN
ALOIN . ALUMINUM HYDROXIDE COLLOIDAL
AMIDOPYRIN
AMINOPHYLLINE . ATROPINE & SALTS
BARBITURATES . BISMUTH SALTS
BROMISOVALERYLUREA . BRUCINE & SALTS
CAFFEINE & SALTS . CALCIFEROL
CARBROMAL . CHLORAL HYDRATE
CHRYSAROBIN . CINCHONA FEBRIFUGE
CITRATES . CYCLOBARBITONE
EMETINE SALTS . EPHEDRINE & SALTS
ESERINE & SALTS . HYDANTOIN DERIVATIVES
HYOSCINE HYDROBROMIDE
IODIDES . LITHIUM SALTS
MERCUROCHROME . NICOTINIC ACID
PARA AMINOSALICYLIC ACID AND ITS SODIUM SALT
PHENAZONE COMPOUNDS . PHENOBARBITONE AND ITS SODIUM SALT
PODOPHYLLIN RESIN EMODI . QUINIDINE SULPHATE
QUININE & SALTS . SALICYLATES
SANTONIN . STILBOESTROL
STRYCHNINE & SALTS . SULPHAGUANIDINE
SULPHANILAMIDE
THEOBROMINE & SALTS . THEOPHYLLINE & SALTS
TOTAQUINA
ETC.

Represented by

INDUSTRIAL RAW MATERIALS CORP.

52 WALL STREET, NEW YORK CITY

Drugs and Fine Chemicals

Price movements of recent weeks which became general, or price changes which developed during the past week, involved an upward price adjustment of 1 cent per pound on fermentation butyl alcohol and acetate, propyl alcohol and isobutyl alcohol. Cocoa butter moved up another 2 cents per pound in a strong market. Menthol was 5 cents per pound higher. Methyl salicylate was quoted 3 cents per pound over former schedules. A 5 cent per pound reduction was effected on 2-amino-2-methyl-1-propanol. Ethyl acetate from fermentation sources was 1 cent per pound higher. Ethyl alcohol fermented from molasses was generally 6 cents per gallon higher. The index was 0.3 point higher, becoming 258.2.

However, one alcohol producer, being out of molasses, went to grain alcohol production, which because of the much higher cost, resulted in a series of price quotations based on pure alcohol at 75 cents per gallon. The ester derivatives were likewise priced correspondingly higher.

Ethylene and propylene materials were undergoing an upward price adjustment which in tankcar quantities amounted to 1 cent per pound. Items affected were diethyleneglycol, ethyleneglycol, propyleneglycol, ethylene dichloride, ethylene oxide and dipropyleneglycol.

Alcohol was in such short supply that tankcar orders went begging with no takers. The alcohol scarcity was correspondingly reflected in a shortening of the ester solvent supply position from an overall point of view, and affected fermentation materials particularly. Propyleneglycol and ethylenedichloride, both of which a few weeks back were in abundant supply and a sales problem of disposal, were now moving in a tight market due to markedly increased demand in the face of curtailed production in certain quarters as a consequence of the severely critical chlorine shortage. Chlorine hampered the production of many organic chemicals as the result of prolonged strikes in the plants of certain chlorine producers, said to account for some 60 percent of the country's output.

Meanwhile, ketones were generally in quite ample supply under a firm price structure, following the recently advanced spot prices of 1 cent per pound, which on contract do not become effective until October 1.

Alcohol—Aside from price quotations of 75c. per gallon on pure ethyl alcohol made from grain by producers who were out of molasses, together with corresponding price levels on denatured alcohol made therefrom, the alcohol market last week generally assumed price levels 6c. per gallon higher than formerly quoted. This latest price advance was made to offset, at least partially, the higher fermentation costs arising from high priced molasses. These prices were effective immediately on spot and October 1 on contract.

There was some slight variation between different producers on the price levels established on the various denatured formulas, depending on how they figured their costs. Those who used replacement costs on denaturants naturally arrived at fractionally higher prices than those who figured costs on the inventory price of their denaturants. Some producers increased all formulas by a flat 6c. advance over former schedules, while others advanced prices from 5½c. to 7c. per gallon, depending on the calculated costs. The decision as to whether or not to use replacement costs or inventory costs on denaturants in arriving at the current price schedule was apparently based on the size of the denaturant inventories at the time.

Consequently, while the price of molasses fermented pure alcohol on a tax free basis was uniformly quoted in tankcars at 45c. per gallon, the price on completely denatured alcohols and on proprietary solvent ranged among different producers from 48c. to 48½c. Similarly, SD-1 was priced at 46½c. to 47c. per gallon, while 2-B was established at 46c. SD-3-A was listed at 45c. to 45½c., 23-A at 47c. to 48c., 23-H at 48c., 27-A was listed as high as 82c. per gallon, SD-30 ranged from 44½c. to 45c., SD-35-A at 47½c. to 48c., and SD-40 at 46c. to 47c.

Supplies were very short, and the market was so tight that tankcar orders went begging with no takers. Under these conditions, the strictly uniform price pattern which acute competitive conditions had formerly forced on the market wherein a ½c. price differential between makers caused business to migrate in the direction of the lower price quotation, was no longer an important factor in today's market.

Tankcar price quotations on alcohol made from grain by producers who were out of molasses stood as follows, on a spot basis only, and subject to change. Pure, CD's, SD-1, and 23-A, 75c. per gallon; Proprietary and SD-23-H, 75½c. per gallon; 3-A, 74c. per gallon; 2-B, 76c. per gallon SD-30, 72c. per gallon; 35-A, 79½c. per gallon and SD-40, 76½c. per gallon.

Price differentials were unchanged whether on the grain or molasses fermentation price structure. Drum carlots were priced at 12c. per gallon over tankcars, and the less than carlot drum price quantity differentials remained at the usual 4c. and 5c.

Aminomethylpropanol—This emulsifying agent was reduced in price 5c. per pound, 2- amino-2-methyl-1-propanol having been reduced from 65c. to the new price level of 60c. per pound in drums. Demand was well sustained, and supplies quite adequate.

Ammonium Thioglycolate—The commercial material ranged in price from $1.40 to $1.60 per pound, while the highly purified grade was quoted at $1.70 to $1.90, depending upon quantity and seller.

Bromides—The higher prices established in the previous week jelled well under the influence of a steady and, in some ways, an expanding requirement of manufacturing consumers.

Butyl Acetate—Fermentation material was in a lessening supply position as a result of the lower alcohol production. Prices were advanced 1 cent per pound by all producers as of last week, following the similar advance by some makers as previously reported. The price was currently established for spot, and October 1 on contract, at 13 cents per pound in tankcars, 14¾c. in drum carlots and 15¾c. in less than carlot drum quantities.

On acetate made from grain alcohol by producers who were out of molasses, only spot prices were quoted in which tankcars were listed at 28c. per pound, drum carlots at 29¾c., and less than carlot drum quantities at 30¾c. These prices were subject to change.

Butyl Alcohol—Fermentation producers had by last week all advanced prices 1c. per pound, in line with the action of other producers as previously reported over recent weeks. The great volume of butyl alcohol accordingly moved on spot, and effective October 1 on contract, at 13c. per pound in tankcars, 14¾c. in drum carlots, and 15¾c. in less than carlot drum quantities. This applied to both synthetic and fermentation material, except for that which was made from grain alcohol by producers who were out of molasses. The latter was reportedly spot priced only at 27c. per pound in tankcars, 28¾c. in drum carlots, and 29¾c. in less than carlot drum quantities. By virtue of the alcohol scarcity, resulting in lower production in the face of sustained heavy demand, there had been brought about a shortening of the overall supply position.

Butyl Stearate—Prices were sharply advanced by 5c. per pound. Under the new schedule carlots were quoted at 32c. per pound, and less than carlot quantities at 33½c.

Castor Oil—Medicinal oil prices were firm last week after the recent fractional advance. Beans were quoted only nominally at $115 per long ton.

Arrivals of beans last week amounted to 22,799 bgs equivalent to 3,419,850 pounds, compared with 34,091 bags or 5,-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Alcohol, butyl, fermentation, 1c. per lb.
Ethyl, fermentation, 6c. per gal.
Isobutyl, 1c. per lb.
Propyl, normal, 1c. per lb.
Butyl acetate, fermentation, 1c. per lb.
Stearate, 5c. per lb.
Cocoa butter, 2c. per lb.
Ethyl acetate, fermentation, 1c. per lb.
Menthol, 5c. per lb.
Methyl salicylate, 3c. per lb.

Prices Reduced

Aminomethylpropanol, 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
258.2	257.9	253.7	254.4	259.6

(For Current Prices see Page 9)

ALKALOIDS
Glucosides ... Drug Extractives

Aconitine, Agaricin, Arecoline, Asparagin, Aspidospermine, Atropine, Berberine, Brucine, Colchicine, Digitalin, Emetine, Ephedrine, Esculin, Eserine, Homatropine, Hydrastine, Hyoscine, Hyoscyamine, Lobeline, Ouabain, Pelletierine, Physostigmine, Picrotoxin, Pilocarpine, Podophyllin, Quassin, Rutin, Salicin, Sanguinarine, Santonine, Scopolamine, Sparteine, Strophanthin, Strychnine, Yohimbine.

INLAND TIPTON, IND. INLAND, THE HOUSE OF ALKALOIDS
PRICE COMMENSURATE WITH QUALITY SINCE 1917

INLAND ALKALOID COMPANY
MANUFACTURING CHEMISTS
TIPTON, INDIANA, U.S.A.

BENZOYL PEROXIDE
SPOT STOCKS
in Metropolitan
★ New York
★ Chicago
★ Los Angeles

Chemical Division
McKESSON & ROBBINS INC.
155 EAST 44th ST. • NEW YORK 17, N. Y.
• Offices in All Principal Cities •

PROCTER & GAMBLE
Gwynne Building, Cincinnati 2, Ohio
Commerce Building, 155 East 44th Street
New York 17, N. Y.
Glycerine
ALL GRADES
9 CONVENIENTLY LOCATED
PRODUCING AND REFINING PLANTS
ASSURE PROMPT SHIPMENTS AND DELIVERIES

LEVER BROTHERS COMPANY
Producers and Refiners of
GLYCERINE
80 Varick Street New York 13, N. Y.

ALL GRADES OF REFINED GLYCERINE
U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE
REFINERIES LOCATED AT
★ Brooklyn, N.Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY 2, NEW JERSEY

HEPARIN
SODIUM
U.S.P.
TREEMOND
The TREEMOND Co.
Manufacturing Chemists
153 WAVERLY PLACE, NEW YORK 14, N. Y.
WATKINS 9-6076 Cable Address: TREEMOND NEW YORK

113,650 pounds the previous week, and 37,013 bags or 5,551,950 pounds during the corresponding week of last year.

Total arrivals since January 1 of this year amounted to 882,345 bags equivalent to 132,351,750 pounds, compared with 1,051,121 bags or 157,818,150 pounds during the corresponding period of 1949.

Chloroform—The present price structure on chloroform listed the technical grade at 16 cents in tankcars, drum carlots at 18 to 20 cents, and less than carlot drum quantities at 20 to 22 cents. The drum price on USP material ranged from 30 to 35 cents per pound, depending upon quantity.

Codliver Oil—For the most part, importers expect that unless supply conditions change in Europe, consumers here will be well supplied with oil during the increasingly active Fall and Winter months. Of course, there is always the possibility of the Norwegian government changing its official price on shipment parcels but the best information in hand right now is that such an increase would be probably moderate in degree. Some of sharp expansion in trading interest, coincident with the Korean crisis, has abated in some degree, a development that came in common with a lessening of "scare" approach to the commodity markets.

Diethyleneglycol—Prices were increased in some quarters, representing a general trend, by 1 cent per pound in tankcars and 1¼ cents in drums. Under the new schedule tankcars were quoted at 17 cents per pound, drum carlots at 18¾ cents, and less than carlots drum quantities at 19¾ cents. Not all producers had by press time made general announcements of the rise, but the matter was known to be under advisement.

Ether—Industrial solvent grades of ethyl ether, whether meeting USP specifications or not, were comparably priced at 10 cents per pound in tankcars, 12 cents in drum carlots, and 14 cents in less than carlot drum quantities. These prices were on a delivered basis. Demand was said to be well sustained.

Ethyl Acetate—By the week's end all fermentation producers had advanced price schedules 1c. per pound, following similar action by some producers, as previously reported. Spot prices, effective on contract October 1, were established at 10c. per pound in tankcars for the 85 percent grade, 11¾c. for drum carlot quantities, and 12¾c. per pound for less than carlot drum shipments.

Ethyl acetate made by producers who were out of molasses and making alcohol from grain was priced at 17c. per pound in tankcars, 18¾c. in drum carlots and 19¾c. in less than carlot drum quantities. These grain material prices were on a spot basis only, and subject to change.

Whether the acetate was from molasses or grain alcohol, the usual ¼c. price differential of the 95-98 percent grade over the 85 percent grade applied, and the 99 percent grade was another ¼c. higher. The shortage of alcohol was naturally reflected in a scarcity of ethyl acetate.

Ethylenedichloride—Higher chlorine costs, together with accumulated manufacturing and shipping costs, were reflected in the beginning of a higher price level, as some producers moved to advance prices 1c. per pound on tankcars and 1¼c. on drums. Other makers had the matter under consideration. Under the new price pattern, tankcars were listed at 9c. per pound, drum carlots at 10¾c., and less than carlot drum quantities at 11¾c. on a freight-allowed basis. Demand was re-

A Half Century of Achievement!
GLANDULAR PRODUCTS
•
HORMONES
GEDEON RICHTER
Standardized and Biologically Controlled
NEW YORK
Gedeon Richter Pharmaceutical Products, Inc.
20 Exchange Place, New York 5, N. Y.
Cable: Lecithin
MEXICO CITY
Blvd. Miguel Cervantes Saavedra 5
Mexico, D. F.
Cable: Proprich
LONDON
14-18 Woodington Rd.
London N.W. 5
Cable: Lecithin
Pharmaceutical Trust Ltd.
14-18 High Holborn
London W.C.1
Cable: Pharmaholb

Progesterone U.S.P.
Testosterone
Testosterone Propionate U.S.P.
Methyl Testosterone U.S.P.
Desoxycorticosterone Acetate U.S.P.
Estrogenic Substance
Chorionic Gonadotropin
Prices on Request
VITAMERICAN OIL CORPORATION
1 John Street Haledon, N. J.

PRICES HIGH! SELL NOW!
URGENTLY NEEDED
Pigments, Chemicals, Pharmaceuticals, Plasticizers, Solvents, Dyes, Oils, Waxes, Alkalies, Phosphates, etc.
Chemical Service Corporation
88 BEAVER STREET, NEW YORK 5, N. Y.
HANOVER 2-6970

FOR QUALITY AND SERVICE
SAPONIN
SODIUM CARBONATE U. S. P.
ZIRCONIUM NITRATE
P&B
SINCE 1900
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, N. Y.

ported as strong and supplies, which only a few weeks ago were abundant, had by now tightened to a relatively short position.

Ethylene Oxide—Higher raw material, manufacturing and shipping costs were reflected in an advancing price structure on this item. So far as tankcar prices were concerned, the advance amounted to 1c. per pound, bringing the quotation to 17¾c. on a freight-allowed basis. The price position of cylinders, which move on an f.o.b. works basis, was as yet undetermined. Supplies were short of the overall strong demand.

Ethyleneglycol—A higher price by 1c. in tankcars and 1¼c. in drums had been established in some quarters for spot material, but not all producers had as yet made announcements.

Under the new price pattern tankcars were quoted at 15½c. per pound, drum carlots at 17¼c., and less than carlot drum quantities at 18¼c. per pound on a freight-allowed basis. Contract prices would, of course, not be affected before October 1 by the rise in the current spot market. Demand was heavy and the supply situation was slightly on the short side of a balance between supply and demand, but the item was not regarded as critical.

Ginger Oleoresin—Because of the severely higher prices prevailing on Jamaica ginger root, production costs on the oleoresin have risen sufficiently to make some sellers advance quotations to $13.50 to $14 per pound. However, one direction still quoted $10.50 last week, but said offerings were limited.

Isobutyl Alcohol—This item advanced in price in line with the normal alcohol, current quotations being 13c. per pound in tankcars, 14¾c. in drum carlots, and 15¾c. in less than carlot drum quantities. Demand was reported as strong.

Lecithin—Edible material was priced in the current market at 15½c. per pound in carlots and 16½c. in less than carlot quantities. Demand was said to be well sustained at the high levels characteristic of the market over recent months.

Menthol—The spot prices crept a bit higher last week, business being taken on the basis of $12.65 to $12.75 per pound. Demand was not very lively but market strength abated little if any and the local situation was a reflection of that governing mainly in China and Japan. Considerable menthol was reported under engagement to come forward to meet the probable expansion of consumption during the more active season which is not too far away at present.

Mercurials—Substantial advances in the spot price for quicksilver came with the Korean affair—not that any direct connection existed between the acquisition of mercury and the landing of American troops in South Korea. Prices on mercurials did not change; nor had they been reduced when quicksilver prices were under downward pressure. Some gain in consumption of the technical grade of red mercury oxide may result from the broadening of naval operations of all sorts.

Methyl Salicylate—All producers priced synthetic wintergreen oil at the higher levels that some manufacturers had set during the previous trading period. Quantity lots—say 500 pounds upward—were not available under 45c. and 50-pound lots were minimum at 50c. Single 25-pound cans in resale quarters were 51c.

Propyl Alcohol—The normal alcohol under price quotations which were revised upward was currently quoted at 9c. per pound in tankcars, 10¾c. in drum

Dawe's means Dependable

PRODUCERS OF

FISH LIVER OILS

VITAMIN A CONCENTRATES

VITAMIN D_2

Dawe's Vitamins, Inc.

4800 S. RICHMOND STREET

CHICAGO 32, ILL.

MUNN'S GENUINE COD-LIVER OIL MADE IN NEWFOUNDLAND

MUNN'S

NEWFOUNDLAND

MEDICINAL NON-FREEZING

COD LIVER OIL

Largest Manufacturers of Cod Liver Oil in Newfoundland for Over Fifty Years

Wire for lowest prices

W. A. MUNN & COMPANY, LTD.

ST. JOHNS - NEWFOUNDLAND

Sodium
Potassium
Ammonium

BROMIDES

Bromine

J. Q. DICKINSON & CO. :-: MALDEN, W. VA.

FOUNDED 1835

Unsurpassed Quality . . .

G I rutin

Bright yellow in color . . . completely free from red pigment and chlorophyll . . . yields brilliantly clear alcohol solutions. Lower in quercitin and higher in rutin assay than the proposed standards require.

Write today for latest price list of more than 100 G & I medicinal chemicals!

GANE & INGRAM, INC.

MANUFACTURING CHEMISTS

45 W. 16th St., New York 11, phone: WAtkins 4-9404 cable: DRUGEXPORT

SORBITOL

is a Superior Conditioning Agent

and here's why . . .

Narrow humectant range

Slower rate of change in moisture content

Non-volatile—"stays put"

Chemically stable

More viscous than lower polyalcohols

Compatible with other polyalcohols

For Full Technical Data

Write for your copy of this valuable book.

Address us on your company letterhead, please.

ATLAS POWDER COMPANY

INDUSTRIAL CHEMICALS DEPARTMENT

Wilmington 99, Delaware

Atlas Powder Company, Canada, Ltd., Brantford, Canada

CHEMICALS ATLAS EXPLOSIVES

NATIONAL BRAND

MILK SUGAR

QUALITY STANDARD THE WORLD OVER SINCE 1883

ALPHA LACTOSE

BETA LACTOSE

NATIONAL MILK SUGAR COMPANY

Division of The Borden Company

350 MADISON AVENUE NEW YORK 17, N. Y.

HAVE YOU EXAMINED

THE INTERESTING PROPERTIES

Levulinic Acid

AVAILABLE COMMERCIALLY

TECHNICAL INFORMATION & QUOTATIONS ON REQUEST

DEVELOPMENT DIVISION

A. E. Staley Mfg. Co., Decatur, Ill.

CARBIDE'S

Alkyl Amines

DIETHYL AMINE $(C_2H_5)_2NH$

TRIETHYL AMINE $(C_2H_5)_3N$

ISOPROPYL AMINE $(CH_3)_2CHNH_2$

These alkyl amines offer a wide choice of solubilizers for the weed-killer, 2,4-D. They are also intermediates for rubber accelerators, drugs, insecticides, dyestuffs, and flameproofing agents. Ask the nearest CARBIDE office for information sheets on alkyl amines F-7408, 6871, and 6473.

Some Physical Properties of These Amines

	Isopropyl	Diethyl	Triethyl
Molecular Weight	59.09	73.14	101.19
Flash Point, °F. (Cleveland open cup)	−35	+5	+20
Water Solubility, 15°C.	Miscible in all proportions		

Carbide and Carbon Chemicals Division

Union Carbide and Carbon Corporation

UCC

30 East 42nd Street, New York 17, N. Y.

In Canada: Carbide and Carbon Chemicals, Limited, Toronto

GET THE BEST—ORDER...
Diisobutyl Ketone FROM Carbide

SOLVENT—excellent low cost, blush resistant nitrocellulose solvent... improves flow-out of ketone-based nitrocellulose lacquers... yields inexpensive, low viscosity lacquers... imparts improved adhesion and surface smoothness to vinyl baking enamels.

VINYL DISPERSANT—best all-around dispersant for organosols based on VINYLITE brand resin VYNW.

SOLVENT EXTRACTANT—purification of antibiotics... efficient dewaxer of lubricating oils.

INTERMEDIATE—the carbonyl group reacts with amines, aldehydes, and active methylene groups to synthesize compounds of interest as inhibitors, rubber accelerators, dyes, insecticides, or pharmaceuticals.

Call or write the nearest CARBIDE office for technical information (Form 6934), a sample, and current prices.

"Vinylite" is a registered trade-mark of UCC

CARBIDE AND CARBON
CHEMICALS DIVISION
UNION CARBIDE AND CARBON CORPORATION
UCC
30 E. 42nd St., New York 17, N.Y. Offices in Principal Cities
In Canada: Carbide and Carbon Chemicals, Limited, Toronto

carlots, and 11¾c. in less than carlot drum quantities. On tankcars, these delivered prices amounted to 1c. per pound higher levels than had formerly prevailed in the market, the advance being necessitated by increased manufacturing costs, together with accumulated higher shipping costs.

Propyleneglycol — Higher spot prices were noted in the market last week with tankcars up 1c. and drums up 1¼c. Under the developing price pattern technical material, for example, was quoted at 16c. per pound in tankcars, 17¾c. in drum carlots, and 18¾c. in less than carlot drums quantities on a freight allowed basis. Demand was said to be strong, and while only a few weeks back supplies were abundant, they started to tighten a month ago, and have been in a mildly short supply position ever since.

Silver Salts—Bullion silver is about the only metal that has not yet risen in price because of steadily dropping inventories and substantially rising demand. Silver metal has held to well stabilized position. Expansion of preparedness could well give rise to an increased consumption of metal—and higher silver metal prices would unquestionably force silver salts up.

Pond's Is Host to Publicists

Members of editorial staffs of periodicals in the drug and cosmetic field and of beauty department personnels of daily newspapers and popular magazines, representatives of news syndicates, radio advisers, and television demonstrators were guests of the Pond's Extract Company, cosmetic manufacturer, New York, at a cocktail party August 9. L. V. Young, president of the company, and E. D. Lane and Sidney Finer, vice-presidents, officiated, and half a dozen managers and consultants joined in the greeting. The occasion was the introduction of a new mirror case for Angel Face powder.

Trade Briefs

E. C. DeWitt & Co., Chicago, has moved its headquarters to 730 Fifth avenune, New York.

Clairol, Inc., New York, has named Richard L. Gelb treasurer and director of the women's hair color manufacturing concern.

Goldschmidt Chemical Corporation, New York, has published a brochure titled "Propyl and Ethyl Gallate," which is available from the company at 153 Waverly place.

Abbott Laboratories, North Chicago, Ill., recently gave a special award to Marjorie Merrett, a supervisor in the finishing department, for turning in the 10,000th suggestion for improved production methods and processes.

Fatty Alcohol Data Sheet Available from M. Michel

A new data sheet showing typical analyses of "Cachalot" fatty alcohols can be obtained by chemical manufacturers and distributors from M. Michel & Co., 90 Broad street, New York. The listing covers cetyl, oleyl and stearyl alcohols and mixtures of these of interest to chemical processors, textile chemical specialties manufacturers and drug and cosmetic formulators.

fine organics

cystine, c.p.
digitonin, reagent
digitoxin, u.s.p. xiii
diphenylthiocarbazone (dithizone) c.p.
ethyl chaulmoograte, n.f. viii
ethyl morrhuate, medicinal

Write for our catalog

Fine Organics, inc., 211z e. 19th st., new york 3, n.y.

CALL ROCHE FOR VITAMINS

HEADQUARTERS
METHYL SALICYLATE
SYNTHETIC • U.S.P.
EMPIRE CHEMICAL CO., Inc.
310 Sherman Ave. Newark, N. J.

PARA-AMINOBENZOIC ACID & SALTS
Complete bulletin available on request
B. L. LEMKE & CO. INC. Manufacturing Chemists
Plant & Offices: Lodi, N. J. Telephone—New York: Bryant 3-0677—Lodi: Prescott 7-5805

CHOLESTEROL
MANUFACTURED BY
WED. D. S. VAN SCHUPPEN EN ZOON
Veenendaal, Holland
SOLE UNITED STATES REPRESENTATIVE
EELSINGH & LUGTIGHEID
GRAND RAPIDS, MICHIGAN
328 BOND AVE., N.W. Phone 8-6254

IT'S GOING EVERYWHERE
AS A PACKAGE
FOR ALMOST EVERYTHING
THE PLAXPAK BOTTLE
COSMETICS • SHAMPOOS • PHARMACEUTICALS • INDUSTRIAL CHEMICALS • DEODORANTS • SHAVING LOTIONS

Plax blow-molded products are made under the following U.S. Pats.: 2128239, 2175053, 2175054, 2230186, 2230190, 2280750, 2283751, 2349176, 2349177, 2349178.

Other Plax packaging materials which are gaining ever-widening application are Plaxpak polyethylene film and Polyflex*, a brilliantly clear transparent sheet that is high in strength, low in cost. Plax is also a leading source for extruded thermoplastics rod, tubing and sheet. Please write for our catalog. *Trade Mark Registered U.S. Patent Office.

PLAX CORPORATION P. O. BOX 1019 • HARTFORD 1, CONNECTICUT
In Canada, Plax Canada, Ltd., Toronto
PLAX FOR PLASTICS NOT SUBSTITUTES—IMPROVEMENTS
SALES OFFICES in New York City, Syracuse, Philadelphia, Chicago, St. Louis, Cincinnati and Houston

TRONA
Muriate and Sulphate of POTASH
LITHIUM Concentrates
Desiccated SODIUM SULPHATE
BORAX
BORIC ACID
PYROBOR Dehydrated Borax
TRONA
Sodium, Potassium and Ammonium BROMIDES U. S. P.
BROMINE
SALT CAKE
SODA ASH
AMERICAN POTASH & CHEMICAL CORPORATION
122 EAST 42nd STREET • • • NEW YORK 17, N. Y.
231 S. LA SALLE STREET CHICAGO 4, ILLINOIS
214 WALTON BUILDING ATLANTA 3, GEORGIA
3030 WEST SIXTH STREET LOS ANGELES 54, CALIF.

British Review of German Drug Industry Available

The technical information and documents unit of the British Board of Trade has published a review of the German pharmaceutical industry during the war years. Entitled "The Pharmaceutical Industry in Germany during the period 1939-1945" (B.I.O.S. Survey no. 24), the publication is based on findings of British teams who inspected German pharmaceutical plants on the cessation of hostilities.

Topics discussed include:—Amino acids and protein hydrolysates; antibiotics; anticoagulants; antimalarials; antiseptics; arsenicals (organic); analgesics, anesthetics, antipyretics and spasmolytics; barbiturates; blood preparations; cholagogs; diuretics; extracts; glucosides; insulin; insecticides and rodenticides; laxatives; estrogen and sex hormones; pharmaceutical preparations; plant hormones; sulphonamides; sweetening agents; tuberculocides, and vitamins.

Copies of the publication are available upon request to H. M. Stationery Office, York House, Kingsway, London, W. C. 2, England, at 3 shillings 9 pence per copy.

ECA Underwrites Brit. Chloromycetin Production

Economic Cooperation Administration last week announced the signing of an industrial guarantee contract with Parke, Davis & Co., Detroit, Mich., covering an investment of $420,000 made in the firm's London branch. Designed to facilitate the financing of a new chloromycetin plant near London by the company, the guarantee will make it possible for Parke, Davis to convert into dollars its foreign currency receipts on the investment of a total of $735,000, a figure which includes the investment of $420,000 plus an earnings increment of $315,000.

Erection and equipment of the pharmaceuticals plant, which will make chloromycetin principally, are currently in the planning stage. Chloromycetin has not heretofore been produced in the United Kingdom. The project is expected to increase the present inadequate supply in that country without using dollars.

Gane & Ingram Issues Price List

Gane & Ingram, Inc., New York, has published a new and enlarged price list covering the firm's line of medicinal chemicals and alkaloids. In addition to quotations, the catalog includes an up-to-date review of current market conditions in the medicinal field.

Trade Briefs

Rexall Drugs, Inc., Los Angeles, Calif., has elected Vernon F. Taylor, president of Peerless Oil & Gas Company and Eastern Clay Products Company, to its board of directors.

Thaw Corporation has announced that its Lake River Terminal plant in Chicago, which will have an antifreeze canning capacity of 131,360 gallons per day, is nearing completion.

Leonard E. Worthen, graduate student in the Temple University School of Pharmacy, has been awarded a one-year fellowship by the American Foundation for Pharmaceutical Education. He will use the grant, valued at approximately $1,600, to pursue his graduate studies in bacteriology at the university.

VITAMIN D_2 and D_3

Bowman Products

All forms for convenient addition to your formulas

CHARLES BOWMAN & CO.

220 East 42nd St., New York 17, N. Y.
110 North Franklin St., Chicago 6, Ill.
W. Glenn Wundarly, 170 E. California St., Pasadena 1, Calif.

ALUMINUM ISOPROPYLATE

Stock Deliveries and Contract Immediate Shipment

ORTHO CHEMICAL CORP.
44-26 Purvis Street
Long Island City 1, N. Y.
Stillwell 4-8473

625 BROADWAY, NEW YORK 12, N. Y.
SPring 7-7040

- AMINOPHYLLINE USP
- MILK SUGAR USP
- BISMUTH SALTS

COSMOS CHEMICAL CORPORATION

FAIRMOUNT CHEMICAL CO., INC.
600 FERRY ST., NEWARK 5, N.J.

Thiosemicarbazide
Semicarbazide Hydrochloride

GBI for CAROTENE

Various Potencies — Low Prices

GENERAL BIOCHEMICALS, INC.
53 Laboratory Park Chagrin Falls, Ohio
Reg. U.S. GBI Pat. Off.

MANUFACTURING CHEMISTS

CAMPHORIC ACID CP DEXTROROTATORY

CAMPHORIC ACID CP RACEMIC

LAMEX CHEMICAL CORP.
Plant: Birmingham, Alabama
Sole Distributors: OLIVIER COMPANY, INC.
25 Broadway, New York 4, N. Y.
Digby 4-4543 Cable: Austrasia, New York

QUININE

"Braunschweig" Brand

As agents for
CHININFABRIK BRAUNSCHWEIG, BUCHLER & CO.
makers of this well-known brand, we offer

QUININE SULFATE & SALTS
CINCHONINE & SALTS
CINCHONIDINE & SALTS

We are also headquarters for

Menthol	Cod Liver Oil
Camphor	Hyoscine Hydrobromide
Ichthammol	Atropine Sulfate
Naphthalene	Brucine Alkaloid & Sulfate

CHAS. L. HUISKING & CO., INC.
155 Varick St., New York 13, N. Y.

London Agents
Wheeler & Huisking, Ltd.
26 Great Tower Street

Cable Address
HUISKING, NEW YORK

SINCE 1872

PEDER DEVOLD P.D.

COD LIVER OIL U.S.P.

STANDARDIZED • TESTED • FINEST QUALITY • ALL POTENCIES

From Can to Carload Quantities. "The Bottlers' Choice Everywhere"

PEDER DEVOLD ® COD LIVER OIL USP *Norwegian*
5 gal. cans, 30 gal. bbls., 30 gal. drums, and 50-55 gal. drums
Attractively lithographed 1 gallon cans.
½ pint, 1 pint, and 1 quart cans for export.
PEDER DEVOLD COD LIVER OIL USP High Potent
Available in all natural potencies.
VITAMINE BRAND ® COD LIVER OIL USP *Non-Destearinated*
DEVOLD VITAMIN A & D FEEDING OILS
VITAMINE BRAND OILS *(Fortified Cod Liver Oils)*
PEDER DEVOLD WHEAT GERM OIL
VITAMIN A & D CONCENTRATES
CAROTENE CRYSTALS
DEVOLD DRY D3 (A Feed Supplement)

IMPORT EXPORT

PEDER DEVOLD OIL COMPANY

151-155 VARICK ST., NEW YORK 13 • Telephone: Algonquin 5-2900
Cable Address: VITAMINE, NEW YORK
Associated in Norway with PEDER DEVOLD OIL CO., LTD., Aalesund

SANTONIN N.F. VIII

Meeting Requirements of International Pharmacopoeias

(Temporarily our stocks are exhausted)

ALKALOIDS of AMERICAN MANUFACTURE

SANTONINE COMPANY OF AMERICA
DIVISION OF CHAS. HUISKING & CO., INC.
155 VARICK STREET: NEW YORK 13, N. Y. Cable Address SANTONICUS, N. Y.

Imports at United States Ports

New York

ABURAGAREI OIL—2 dms, Chemical Bank & Trust, Yokohama
ACETYLMETHYL CARBINOL — 2 cs, Novadel Agene, Rotterdam
AGAR—1 cs, Maxim Chemical Co, Kobe
50 bls, Consumers Import Co, Kobe
ALKATHENE—3 bgs, E I DuPont De Nemours, Liverpool
AMMONIUM CARBONATE—20 cs, Glasgow
CHLORIDE—360 bgs, U S Electric Manufacturing Co, Liverpool
NITRATE—1 dm, Glasgow
ANILIN COLORS — 23 dms, Arnold Hoffman, Liverpool
17 dms, Geigy Co, Rotterdam
18 cyl, Sandoz Chemical Works, Genoa
25 dms, Ciba Co, Havre
18 dms, Carbic Color & Chemical Co, Havre
13 dms, Intra Mar Shipping, Havre
1 cs, Intra Mar Shipping, Havre
180 dms, Sandoz Chemical Works, Havre
52 cans, Ciba Co, Havre
1 cs, Ciba Co, Havre
6 dms, Carbic Color & Chemical, Havre
54 dms, Alltransport Inc, Havre
ANISEED—334 bgs, Genoa
ANTHRACENE—32 bbls, American Union Transport, Rotterdam
1 bbl, Charles Hardy Inc, Rotterdam
RESIDUE—112 bgs, Arnold Hoffman, Liverpool
ANTIMONY REGULUS—20 cks, Charles Gitlan, Antwerp
ARABIC GUM—250 bgs, Guaranty Trust Co, Port Sudan
250 bgs, Central Hanover Bank & Trust, Port Sudan
764 bgs, National City Bank, Port Sudan
AROMATIC CHEMICALS — 2 cs, Roure-Dupont, Havre
ARSENIC ACID—1 dm, H Dixon, Liverpool
METAL—10 dms, N V Groms, London
ASPHALT, MINERAL—384 bgs, Allied Asphalt & Mineral Co, Havana
PETROLEUM—50,645 bbls, Shell Oil Co, Curacao
BABASSU NUTS—1,500 bgs, General Foods, Sao Luiz Do Maranhao
OIL—194 dms, Parnaiba
345 dms, Wax & Rosin Products, Parnaiba
110 tons, Durkee Foods, Sao Luiz Do Maranhao
BARBASCO ROOT—300 bls, J H Rossbach, Iquitos
1,204 bls, S B Penick, Iquitos
1,111 bls, H E Valensi, Iquitos
BEESWAX—24 bgs, Bank of Manhattan, Havana
7 bgs, General Import & Distrib Co, Havana
343 bgs, John P Eberardt, Rotterdam
BENZIDINE HYDROCHLORIDE—1 cs, American Express Co, Liverpool
BENZIN, BROWN COAL — 1 can, W P Gee, Bremen
BENZOIN GUM—46 bdls, S B Penick, Singapore
BISMUTH METAL—16 cs, Overseas Metal & Ore, Osaka
BONE GLUE—400 bgs, Transatlantic Animal By-Products, Antwerp
MEAL—1,590 bgs, Transatlantic Animal By-Products, Alexandria
BRUCINE ALKALOID—11 cs, Merck & Co, London
CANARYSEED—136 bgs, Hershey Co, Istanbul
CARAWAYSEED—150 bgs, Rotterdam
100 bgs, Greenwich Seed Co, Rotterdam
CARDAMOMS—7 cs, B H Old, London
CADMIUM—20 cs, J W Hampton, Jr, Yokohama
CARAWAYSEED—200 bgs, A Gronowitz, Rotterdam
250 bgs, Catz American, Rotterdam
150 bgs, M J Golombeck, Rotterdam
100 bgs, C M Van Sillevoldt, Rotterdam
CARNAUBA WAX—81 bgs, Wax & Rosin Products, Salvador
135 bgs, Innis Speiden, Salvador
736 bgs, Frank B Ross, Salvador
313 bgs, Wax & Rosin Products, Fortaleza
280 bgs, American Union Transport, Fortaleza
328 bgs, Wessel Duval & Co, Fortaleza
54 bgs, Manufacturers Trust Co, Fortaleza
280 bgs, Frank B Ross, Fortaleza
56 bgs, Cornelius Products, Fortaleza
51 bgs, Strohmeyer & Arpe, Fortaleza
503 bgs, National City Bank, Fortaleza
875 bgs, Fortaleza
CASEIN—400 bgs, American British Chemical, Havre
1,000 bgs, International Commercial Co, Buenos Aires
CASHEW NUT LIQUID—54 dms, Irvington Varnish & Insulator Co, Cochin
277,760 lbs, Irvington Varnish & Insulator Co, Cochin
CASSIA—200 bls, A G Dunn, Hong Kong
200 bls, Knickerbocker Mills, Hong Kong
250 bls, Arnhold & Co, Hong Kong
75 bls, H M Newhall, Hong Kong
200 bls, K H Landes, Hong Kong
150 bls, W M Allison, Hong Kong
200 bls, A G Dunn, Hong Kong
85 bgs, S B Penick, Hong Kong
50 bls, W M Allison, Hong Kong
OIL—3 dms, Otto Gerdau, Hong Kong
CASTORBEANS—4,810 bgs, Baker Castor Oil, Fortaleza
3,253 bgs, Salvador
4,167 bgs, Sherwin Williams, Salvador
1,700 bgs, Baker Castor Oil, Santos
2,032 bgs, Baker Castor Oil Co, Bahia
3,387 bgs, Spencer Kellogg & Sons, Bahia
3,360 bgs, Baker Castor Oil, Salvador
OIL—200 tons, Guaranty Trust Co, Fortaleza
1,182 kilos, Guaranty Trust Co, Fortaleza
CETYL ALCOHOL—18 cs, Liverpool
20 cs, Harry Dixon & Sons, Liverpool
CHARCOAL—51 tons, Debanders Export, Stockholm
COCONUT SHELL—700 bgs, Holland Colombo Trading Soc, Colombo
1,000 bgs, Temperleys Haslehurst, Colombo
CHEMICALS—45 cs, Bergstrom Trading Co, Gothenburg
50 cs, F H Taussig, Rotterdam
1 cs, S B Penick, Glasgow
8 cs, S B Penick, Southampton
CHESTNUT EXTRACT—901 bgs, Barkey Importing Co, Genoa
CHOLESTEROL ACETATE—3 cs, Eelsingh & Lugtigheid, Rotterdam
CHROME ORE—3,800 tons, Punta Corda
CINCHONA PRODUCTS—175 cs, Cuaranty Trust Co, Rotterdam
CINNAMON BARK OIL—2 cs, Felton Chemical Co, Colombo
CITRONELLA OIL—6 dms, East Asiatic Co, Colombo
6 dms, Lo Curto & Funk, Colombo
6 dms, Centflor Manufacturing Co, Colombo
12 dms, Fritzsche Bros, Colombo
8 dms, Lo Curto & Funk, Hong Kong
40 dms, Lo Curto & Funk, Keelung
7 dms, Fallek Products, Keelung
COALTAR COLORS—4 dms, C A Haynes, Rotterdam
COD OIL—40 dms, E F Drew, St Johns
LIVER OIL—9 cs, Albumina Supply Co, Yokohama
COCOA EXPELLER CAKE—714 bgs, General Cocoa Co, Salvador
PRESS CAKE—655 bls, Ernest Adler, Salvador
COCONUT OIL—847 tons, Zimmerman Alderson Carr, Cebu
200 tons, Pacific Vegetable Oil, Zamboanga
COPAL GUM—20 bgs, Gillespie-Rogers-Pyatt, Manila
74 bgs, France, Campbell & Darling, Manila
574 bkts, O G Innes Corp, Singapore
65 bkts, Thurston & Braidich, Singapore
74 bkts, U S Industrial Chemicals, Singapore
COTTON LINTERS—79 bls, Williamson Northrup, Santos
381 bls, Riverside Mills, Cabedello
COTTONSEED MEAL—4,444 bgs, Wessel, Duval Co, Buenos Aires
4,444 bgs, Woodward & Dickerson, Buenos Aires
CREAM OF TARTAR—20 bbls, F H Taussig, Genoa
200 dms, T M Duche & Sons, Barcelona
CRESYLIC ACID—216 dms, H A Gogarty, Liverpool
50 dms, Harry Dixon & Sons, London
50 dms, American Cyanamid Co, Liverpool
286 dms, H A Gogarty, Liverpool
CUBE ROOT—2,514 bls, Hecht Levis & Kahn, Iquitos
CUMIN SEED—517 bgs, Khosrovschahi Co, Karachi
300 bgs, Khosrovschahi Co, Karachi
CUTTLEFISH BONE—90 cs, S B Penick & Co, Tunis
DAMMAR GUM—420 bgs, S Winterbourne, Singapore
140 bgs, Internatio Rotterdam, Singapore
70 bgs, U S Industrial Chemicals, Singapore
70 bgs, O G Innes Corp, Singapore
DEXTRIN—50 bgs, Rotterdam
DIPHENYLENOXIDE—9 dms, Hensel Bruckmann & Lorbacher, Rotterdam
DRAGONS BLOOD—10 cs, P A Hunt, Singapore
DRUGS, CRUDE—150 bls, S B Penick, Kobe
DYESTUFFS—23 dms, Asiatic Petroleum, Hong Kong
200 bgs, National Lead Co, Liverpool
1 cs, Litchfield Dye & Chemical, Hamburg
ERGOSTEROL, RECRYSTALLIZED — 2 cs, Southampton
ERGOT—40 bgs, First National of Boston, Leixoes
ESSENTIAL OIL—1 cs, Roure-Dupont, Marseilles
7 dms, A Chiris, Marseilles
1 cs, Dodge & Olcott, Havre
9 cs, Norda Essential Oil & Chemical, Seville
25 dms, Magnus, Mabee & Reynard, Seville
30 dms, Villar & Osorio, Antwerp
9 cks, P Robertet, Cannes
8 cks, Camilli Albert & Laloue, Cannes
4 cs, Camilli Albert & Laloue, Cannes
21 cks, LoCurto & Funk, Cannes
6 cs, Alexandria
7 cs, Centflor Manufacturing Co, Alexandria
7 dms, George Uhe Co, Marseilles
6 hlf dms, George Uhe Co, Marseilles
5 dms, Lo Curto & Funk, Hong Kong
ETHOXYLINE RESIN—10 dms, Ciba Co, Havre
EUCALYPTUS OIL—6 dms, Lo Curto & Funk, Keelung
FENUGREEK SEED—388 bgs, Transatlantic Commodities, Casablanca
204 bgs, Beirut
FERRO CHROME — 2,000 cs, J W Hampton Jr, Yokohama
VANADIUM—157 cs, J W Hampton Jr, Yokohama
FISHLIVER OIL—2 dms, Consumers Import Co, Yokohama
FUEL OIL—4,362 bbls, Shell Oil, Curacao
482,000 bbls, Esso Standard Oil, Aruba
78,066 bbls, Metropolitan Petroleum Corp, Aruba
199,601 bbls, Hess Inc, Curacao
116,274 bbls, Paragon Oil Co, Curacao
149,021 bbls, Asiatic Petroleum, Curacao
50,260 bbls, Port Petroleum Corp, Curacao
GALANGAL ROOT—100 bls, R J Prentiss, Hong Kong
175 bgs, Balfour, Guthrie, Hong Kong
100 bls, R J Prentiss, Hong Kong
GALLNUTS — 420 bgs, Mallinckrodt Chemical Works, Hong Kong
GARLIC OIL—1 cs, Alexandria
GERANIUM OIL—1 cs, Antoine Chiris, Alger
3 cans, LoCurto & Funk, Alger
6 cans, J Manheimer, Alger
GHATTI GUM—57 bgs, Innis Speiden, Bombay
114 bgs, Intra Mar Shipping, Bombay
57 bgs, S B Penick, Bombay
GINGER OIL—2 dms, Magnus Mabee & Reynard, Rotterdam
GLUE—200 bgs, Rotterdam
STOCK—273 bdls, M Ascheim, Rotterdam
168 bgs, Karr Ellis, Liverpool
GLYCERIN, SOAPLYE—183 tons, Procter & Gamble, Manila
GRAPHITE—250 bgs, Superior Flake Graphite Co, Colombo
GYPSUM—400 bgs, Hammill & Gillespie, Liverpool
2,625 tons, Newark Plaster, Hantsport
10,494 tons, U S Gypsum Co, Hantsport
8,604 tons, National Gypsum Co, Little Narrows
HENNA LEAVES—26 bls, J L Hopkins, Alexandria
HERBS (FRUCTUS SORBORUM)—60 bgs, S B Penick, Rotterdam
HOREHOUND HERBS—10 bls, R J Prentiss, Casablanca
IRISHMOSS—1 cs, J Millor, Otaru
100 bls, T M Duche & Sons, Havre
32 bls, S B Penick & Co, Havre
10 bgs, Emerco Trading Co, Havre
11 bls, T M Duche & Sons, Yokohama
IRON OXIDE—455 bgs, Reichard Coulston, Rotterdam
870 bgs, C J Osborn, Malaga
475 bgs, Reichard Coulston, Malaga
JAPAN WAX—25 cs, Paul A Dunkel, Yokohama
20 cs, Mercantile Metal & Ore, Yokohama
30 cs, Fleischman Burd, Kobe
JUNIPER BERRIES—84 bgs, Peek & Velsor, Leghorn
KAMALA—17 bgs, R J Prentiss, Bombay
KARAYA GUM—61 bgs, W M Allison, Bombay
134 bgs, Innis Speiden, Bombay
153 bgs, Stein Hall, Bombay
199 bgs, Reuben Import Export Co, Genoa
191 bgs, Stein Hall, Bombay
210 bgs, Innis Speiden, Bombay
325 bgs, Chase National Bank, Bombay
200 bgs, J B Grumann, Bombay
134 bgs, S B Penick, Bombay
133 bgs, Paul A Dunkel, Bombay
133 bgs, E Meer Corp, Bombay
LANOLIN—230 bgs, Liverpool
LEMON OIL—32 qu cs, Tombarel Products, Messina
LEMONGRASS OIL—6 dms, Volkart Bros, Cochin
LIVERMEAL—300 bgs, Wessel Duval, Montevideo
LOCUST BEAN—67 bgs, R J Prentiss, Casablanca
GUM—1,300 bgs, Genoa
60 bgs, Innis Speiden, Genoa
300 bgs, T M Duche & Sons, Genoa
839 bgs, Valencia
147 bgs, Marseilles
400 bgs, Paul A Dunkel, Rotterdam
200 bgs, Stein Hall & Co, Rotterdam
20 dms, Innis Speiden, Rotterdam
100 bgs, Central Hanover Bank, Liverpool
MACE—14 cs, Otto Gerdau, Singapore
32 cs, J Berlage, Singapore
MANGANESE ORE—20 bgs, Assoc Metal & Mineral Corp, Antwerp
MANGROVE EXTRACT—3,500 bgs, Saxe Cutch, Singapore
MEDICINAL HERBS—72 bls, National City Bank, Antwerp
83 bgs, Peek & Velsor, Rotterdam
13 bls, S B Penick, Rotterdam
20 bls, National City Bank, Antwerp
22 bls, Inland Alkaloid Co, Antwerp
ROOTS—30 bls, National City Bank, Antwerp
9 bgs, S B Penick, Hamburg
6 bgs, Peek & Velsor, Hamburg
20 bgs, Max Van Pels, Antwerp
28 bls, National City Bank, Antwerp
MENTHOL—40 cs, R J Prentiss, Vancouver, B C
50 cs, Bristol Myers, Vancouver, B C
10 cs, Kane Import Corp, Hong Kong
15 cs, Norda Ltd, Otaru
50 cs, Vick Chemical Co, Santos
MENUKELIVER OIL—5 dms, Consumers Import Co, Yokohama
MICA—51 cs, Otto Gerdau, Rio de Janeiro
442 cs, Ford Radio & Mica Corp, London
10 cs, Cornelius & Suhr, Calcutta
108 cs, Otto Gerdau, Calcutta
70 cs, Manchard Trading, Calcutta
311 cs, United Minerals & Chemiacls Co, Calcutta
7 cs, Gillespie-Rogers-Pyatt, Calcutta
11 cs, Habers Export Agency, Calcutta
96 cs, Whittaker Clark & Daniels, Calcutta
250 cs, E Munsell, Calcutta
812 cs, Asheville Schoonmaker, Calcutta
27 cs, James Garneau, Calcutta
500 cs, Asheville Schoonmaker, Buenos Aires
99 cs, Asheville Schoonmaker, Buenos Aires
MOLASSES—240,550 gls, American Molasses Co, Havana
MOLYBDENUM—660 bgs, S W Hampton Jr, Yokohama
CONCENTRATES—178 cs, Cosmos Shipping Co, Yokohama
MONOETHYLANILIN—1 cs, American Express Co, Liverpool
MONTAN WAX—4,348 bgs, Redemann & Co, Bremen
300 bgs, Redemann & Co, Hamburg
MUSTARDSEED—300 bgs, Amaren Trading, London
MYRTLE OIL—1 cs, Antoine Chiris, Genoa
NAPHTHALENE—625 bgs, Antwerp
NUTMEGS—120 bgs, Getz Import Corp, Singapore
OCOTEA CYMBARUM OIL—70 dms, Dodge & Olcott, Itajai
OCTADECYLPYRIDINUM BROMIDE—5 cks, Arnold Hoffman, Liverpool
OITICICA OIL—111 tons, Pacific Vegetable Oil, Fortaleza
OLIBANUM—66 bls, J H Winchester, Genoa
OLIVE OIL—2,034 dms, Chemical Bank & Trust, Seville
230 dms, Hellenic Bank & Trust Co, Seville
430 dms, National City Bank, Seville
385 dms, Manufacturers Trust Co, Seville
25 dms, American Trust Co, Seville
258 dms, Credit Suisse, Seville
125 dms, Central Hanover Bank, Seville
200 dms, Public National Bank, Seville
100 dms, Irving Trust Co, Seville
50 dms, Chase National Bank, Seville
185 dms, Central Hanover Bank, Malaga
203 dms, Credit Suisse, Malaga
100 dms, Manufacturers Trust Co, Malaga
50 dms, Bank of Manhattan, Seville
25 dms, Corn Exchange Bank, Seville
470 dms, Alona Corp, Barcelona
100 dms, Grace National Bank, Tarragona
306 dms, Manufacturers Trust Co, Tarragona
233 dms, Hellenic Bank & Trust Co, Tarragona
252 dms, National City Bank, Tarragona
26 dms, Chase National, Tarragona
75 dms, Mercantile Commerce Bank, Tarragona
155 dms, Credit Suisse, Tarragona
25 dms, Irving Trust Co, Tarragona
OURICURY WAX—112 bgs, Strahl & Pitsch, Salvador
112 bgs, Stein Hall, Salvador
56 bgs, Innis, Speiden, Salvador
112 bgs, Wax & Rosin Products, Salvador
56 bgs, Wessel, Duval, Salvador
56 bgs, First National Boston, Salvador
63 bgs, Wessel Duval & Co, Bahia
OX GALL—6 tcs, Wilson & Co, Santos
9 tcs, International Packers Commercial, Montevideo
9 dms, C Hollinshed, Montevideo
11 cs, Judson Sheldon, London
13 cks, National City Bank, Buenos Aires
PALM OIL—410 tons, Rotterdam
1,085 tons, Balfour Guthrie, Matadi
30 dms, J Bibby & Sons, Liverpool
PAPAIN—13 cs, Rafael Del Castello, Colombo
PARACRESOL—33 dms, H A Gogarty, Liverpool
PATCHOULI OIL—2 dms, Felton Chemical Co, Port Swettenham
PEATMOSS—200 bls, Bingham & Co, Bremen
4,850 bls, Premier Peatmoss, Bremen
750 bls, New Amsterdam Import Co, Bremen
PEPPER, BLACK—80 bgs, Virchand Panachand, Cochin
80 bgs, Mincing Trading Corp, Cochin
160 bgs, Superintendence Co, Cochin
160 bgs, M Golodetz, Cochin
80 bgs, Sembodja Corp, Cochin
160 bgs, Mincing Trading, Bombay
960 bgs, Basidhar Gopaldas, Bombay
80 bgs, A G Dunn, Bombay
560 bgs, Antwerp
160 bgs, M Golodetz, Cochin
PERCHLOROETHYLENE—92 dms, Chemical Manufacturing Co, Liverpool
PETROLEUM, CRUDE—124,139 bbls, Esso Standard Oil, Puerto La Cruz
203,833 bbls, Esso Standard Oil, Cartagena
122,842 bbls, California Refining Co, Puerto La Cruz
123,592 bbls, Socony Vacuum, Puerto La Cruz
107,272 bbls, New England Petroleum Corp, Brighton, Trinidad
PHARMACEUTICALS — 10 cs, American Roland Corp, Kobe
POLLOCKLIVER OIL—110 dms, Consumers Import Co, Yokohama
237 dms, Nopco Chemical Co, Yokohama
12 dms, National City Bank, Yokohama
POPPYSEED—700 bgs, Rotterdam
100 bgs, A Gronowitz, Rotterdam
250 bgs, Catz American, Rotterdam
200 bgs, R J Spitz, Rotterdam
150 bgs, C M Van Sillevoldt, Rotterdam
134 bgs, M J Golombeck, Istanbul
133 bgs, Becker Mayer Seed Co, Istanbul
POTASSIUM CYANIDE—100 dms, Liverpool
200 dms, Terra Chemicals, Rotterdam
PSYLLIUM SEED—375 bgs, R J Prentiss, Bombay
365 bgs, S B Penick, Bombay
496 bgs, T M Duche & Sons, Bombay
200 bgs, S B Penick, Bombay
230 bgs, R J Prentiss, Bombay
PYRIDIN—21 dms, Chematar Inc, Gdynia
QUEBRACHO EXTRACT—11,563 bgs, River Plate Import & Export Corp, Buenos Aires
1,700 bgs, River Plate Import & Export, Buenos Aires
622 bgs, Carl M Loeb Rhoades, Buenos Aires
1,259 bgs, River Plate Import & Export, Buenos Aires
6,548 bgs, Bank of London, Buenos Aires
540 bgs, Chase National Bank, Buenos Aires
QUICKSILVER—1,000 flasks, Leghorn Trading Co, Leghorn
RESIN, SYNTHETIC—8 cans, Ciba Co, Havre
2 cks, Ciba Co, Havre
RHUBARB ROOT—24 cs, Kellys America, Hong Kong
ROCHELLE SALT—10 bbls, F H Taussig, Genoa
ROSEMARY OIL—5 dms, Alicante
ROSEWOOD OIL—18 dms, Fritzsche Bros, Manaos
6 dms, Orbis Products, Manaos
12 dms, Dodge & Olcott, Manaos
6 dms, Polak & Schwarz, Manaos
SAGO FLOUR—272 bgs, National Starch Products, Singapore
501 bgs, Harrisons & Crosfield, Singapore
SANDALWOOD—100 bgs, Dodge & Olcott, Bombay
SCHEELITE ORE—500 bgs, J W Hampton Jr, Cabedello
SEEDLAC—300 bgs, Mantrose Corp, Calcutta
100 bgs, Schwab Bros, Calcutta
200 bgs, G H Dockstaden, Calcutta
SESAME SEED—150 bgs, Levy & Lewis, Hong Kong
SHARKLIVER OIL—4 dms, Consumers Import Co, Yokohama
50 dms, Transocean Commerce Co, Yokohama
SHELLAC—100 bgs, Reuben Import Export Co, Genoa
48 cs, F H Paul & Stein, Rotterdam
661 bgs, W Zinsser, Calcutta
100 bgs, J S Khorana, Calcutta
50 bgs, P N Rowe, Calcutta
SIENNA EARTH—23 cks, Reichard Coulston, Leghorn
SODIUM ALUMINATE—1 dm, Heemsoth Kerner, Liverpool
BICARBONATE—2,994 bgs, Chemical Manufacturing Co, Liverpool
200 bgs, Spring Chemicals, Rotterdam
CARBONATE—7,466 bgs, Chemical Manufacturing Co, Liverpool
7,465 bgs, Liverpool
CYANIDE—448 dms, Elbert & Co, Rotterdam
550 dms, Terra Chemicals, Rotterdam
PRUSSIATE, YELLOW—220 bgs, Orlex Dyes & Chemicals, Rotterdam
SOLELIVER OIL—3 dms, Consumers Import Co, Yokohama
1 dm, Consumers Import Co, Yokohama
SOPHORA JAPONICA—160 bgs, R J Prentiss, Hong Kong
SPERMACETTI WAX—50 ctns, Glasgow
STEARIN—26 bgs, Orbis Products Co, Liverpool
SULPHUR—2 cs, Laurent Industrial Co, Palermo
SUMAC—420 bgs, Manufacturers Trust Co, Naples
420 bgs, Manufacturers Trust Co, Palermo
TALC—3,025 bgs, Charles Mathieu, Genoa
TALLIUM METAL—1 cs, International Selling Corp, Marseilles
TAPIOCA FLOUR—8,166 bgs, Stein Hall, Itajai
2,000 bgs, Stein Hall, Imbituba
TARTAR—760 bbls, Enco Chemical Corp, Barcelona
TARTARIC ACID—200 kgs, Genoa
THYME LEAVES—499 bgs, Alicante
100 bgs, Seeck & Kade, Marseilles
TOLUIDINHIDROCHLORID—16 dms, General Dyestuffs, Rotterdam
TONKA BEANS—14 bbls, J H Schroder, Belem Para
TRAGACANTH GUM—14 bgs, Marseilles
TRICHLOROETHYLENE—25 dms, Eugene Dietzgen, Rotterdam
TUNG OIL—200 tons, Bunge Corp, Buenos Aires
250 tons, Pacific Vegetable Oil, Hong Kong
TUNGSTIC ACID—45 dms, Philipp Bros, Kobe
TUNGSTEN SCRAP—49 cs, J W Hampton, Kobe
VANILLA BEANS—20 cs, George Uhe & Co, Marseilles
26 cs, Thurston & Braidich, Marseilles
44 cs, Guaranty Trust Co, Marseilles
30 cs, LoCurto & Funk, Tandjong Priok
VEGETABLE OIL—3 dms, R H Belam, Antwerp
WATERTAR GAS—11,109 bbls, Koppers Coke, Port Stabley
WAX—10 cs, L A Dreyfus, Singapore
REFINED—13 cs, Firestone Co, Singapore
WHITING—240 bgs, H J Baker & Bros, Liverpool
WOLFRAM ORE—162 bgs, National City Bank, Santos
306 bgs, Wah Chang Corp, Penang
WOOL GREASE—100 dms, Chemical Bank & Trust Co, Bremen
100 dms, Liverpool
WAX—20 dms, Liverpool
ZINC RESIDUE—132 ingots, C Kurz Co, Lisbon
4 dms, C Kurz Co, Lisbon

Baltimore

ANIMAL BONE CHARCOAL—1,000 bgs, Tupman Thurlow, London
BONEMEAL—2,203 bgs, E J Lang, Rotterdam
CHARCOAL—51 tons, Debanders Export, Stockholm
CHEMICALS—220 cks, Innis Speiden, Hamburg
CHOLESTEROL ACETATE—2 cs, Eelsingh & Lugtigheid, Rotterdam
CHROMITE—3,000 tons, E J Lavino, Masinloc
COTTONSEED MEAL—4,444 bgs, Wessel Duval, Buenos Aires
MANGANESE ORE—500 tons, Ferro Metal & Chemical Co, Calcutta
OLIVE OIL—475 dms, Alona Corp, Malaga
PEATMOSS—730 bls, Haltmoon Manufacturing & Trading Co, Rotterdam
QUEBRACHO EXTRACT—1,518 bgs, C M Loeb Rhoades, Buenos Aires
1,771 bgs, River Plate Import & Export, Buenos Aires
RED OXIDE—20 cks, Rotterdam
SODIUM CARBONATE—7,466 bgs, Chemical Manufacturing Co, Liverpool
SOYBEAN MEAL—6,112 bgs, Co-Operative Mills, Antwerp
TALC—682 bgs, Whittaker, Clark & Daniels, Marseille
TANKAGE—546 bgs, Wessel Duval, Buenos Aires
UMBER, CRUDE—470 bgs, First National Bank of Baltimore, Larnaca
WHITING—400 bgs, Pluess Stauffer, Antwerp,

Boston

AMMONIUM CHLORIDE—1 dm, Patterson Wylde, Rotterdam
ANILIN COLORS—20 dms, Industrial Trust Co, Rotterdam
2 cans, Industrial Trust Co, Rotterdam
BONE—325 bgs, Tupman Thurlow, Montevideo
GLUE—300 bgs, 1st National Bank of Boston, Antwerp
CARAWAYSEED—72 bgs, Rotterdam
CASEIN—1,500 bgs, American Cyanamid Co, Buenos Aires
600 bgs, Tupman Thurlow, Buenos Aires
CHEMICALS—200 dms, Leviant & Co, Rotterdam
COCOABUTTER—378 bbls, Metallo Chemical Corp, Santos
417 bbls, Santos
EXTRACT—417 bbls, Woodward & Dickerson, Santos
COTTONSEED MEAL—1,223 bgs, Wessel Duval, Buenos Aires
GLUESTOCK—235 bls, H Remis, Rio de Janeiro
210 bgs, Transatlantic Animal By-Products, Liverpool
MENTHOL—30 cs, Bristol Myers Co, Taku Bar
MICA—14 cs, Eugene Munsell, Rio de Janeiro
SCRAP—900 bgs, First National Bank of Boston, Casablanca
MUSTARDSEED—1 bg, Rotterdam
NAPHTHALENE—300 bgs, Antwerp
OLIVE OIL—50 dms, Central Hanover Bank, Seville
375 dms, Chemical Bank & Trust, Seville
50 dms, First National Bank of Boston, Seville
OSSEIN—440 bgs, Atlantic Gelatine Co, Rotterdam
PEPPER, BLACK—160 bgs, Mincing Trading Corp, Cochin
POPPYSEED—30 bgs, Rotterdam
QUEBRACHO EXTRACT—3,914 bgs, River Plate Import & Export, Buenos Aires
540 bgs, C M Loeb Rhoades, Buenos Aires
6,094 bgs, Buenos Aires
RAPESEED—2 bgs, Rotterdam
TALC—360 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—2,900 bgs, Geismar & Co, Itajai
500 bgs, Stein Hall, Itajai
500 bgs, H F R Dolan, Itajai

Camden

BONE, CRUSHED—1,123 bgs, Buenos Aires
5,633 bgs, Credit Suisse, Buenos Aires

Los Angeles

CANARYSEED—92 bgs, Union Bank & Trust Co, Genoa
OLIVE OIL—105 dms, Central Hanover Bank, Malaga
104 dms, F & M Importing Co, Malaga
52 dms, Los Angeles Importing Co, Malaga

Consulting Chemists and Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.

50 East 41st Street, Room 82 — New York 17, N. Y. LExington 2-1130

A Clearing House — *for Consultants*

Reg. U. S. Pat. Off.

When in need of a consultant address the Association
No charge for this service.

The Membership Located from Coast to Coast, Comprises Specialists in All Fields.

R. S. ARIES & ASSOCIATES

Chemical Engineers & Economists
Commercial Chemical Development
Process Analysis • Market Research
Technical & Economic Surveys
Evaluations
Application Research
New Product Development
Write for Leaflet A
400 Madison Ave., New York 17, N. Y.
ELdorado 5-1430

BJORKSTEN RESEARCH LABORATORIES

Sponsored Industrial Research

MADISON, WIS. 323 W Gorham St.
CHICAGO, ILL. 13791 S. Avenue "O"
NEW YORK, N. Y. 50 E. 41st Street

RESEARCH AND PRODUCT DEVELOPMENT
Oils, coatings, detergents, plastics, Organic and drug analyses. Testing work.

COLBURN LABORATORIES, INC.

Research Chemists
332 S. Federal St. Chicago 5, Ill.

SPECTROGRAPHIC ANALYSES

Qualitative and Quantitative Since 1936
Micro and Semimicro analyses of metallics; conventional and metallurgical analyses, metallography, metal failures investigated, heat treating consultants, photomicrographs, Jominy Hardenability, physical tests.

W. B. COLEMAN & CO.

4th St. & Rising Sun Ave. Philadelphia 40, Pa.

DI CYAN & BROWN

Consulting Chemists
12 East 41st Street, New York 17, N. Y.
MUrray Hill 5-0011

CONSULTANTS in DRUGS and COSMETICS
New Drugs; Product and Patent Development in Pharmaceuticals & Cosmetics; Label Preparation for Conformance to F.D.A. requirements, etc

ESSELEN RESEARCH DIVISION UNITED STATES TESTING COMPANY, INC.

CHEMICAL RESEARCH AND DEVELOPMENT

857 Boylston Street, Boston 16, Mass.

EVANS RESEARCH & DEVELOPMENT CORPORATION

Chemical Research—Processes—Products — Pilot Plant — Optical and Mechanical Section

•

SEND FOR BOOKLET "O"

•

INSPECT OUR UNUSUAL FACILITIES

MU. 3-0071
250 East 43rd St. New York 17, N. Y

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of OIL, PAINT AND DRUG REPORTER
Tell them about yours

EXPERIMENT INCORPORATED

Chemical Consulting Research and Development Model Shop Facilities
Write for Brochure
An Organization to Serve You
P. O. Box 1-TO Richmond 2, Va

FOOD RESEARCH LABORATORIES, INC.

FOUNDED 1922
Philip B. Hawk, Ph.D., Pres.
Bernard L. Oser Ph.D., Dir
RESEARCH—ANALYSES —CONSULTATION
Biological, Nutritional, Toxicological Studies for the Food, Drug and Allied Industries
48-14 33rd St., Long Island City, N. Y

FREED RESEARCH LABORATORIES

CHEMICAL CONSULTANTS TESTING RESEARCH AND DEVELOPMENT
New Product and Pilot Plant Projects
Chemical Patent Problems
Meyer L. Freed, F.A.I.C.
169 Main Street Seymour, Conn.

H. J. HALLOWELL

823 Main Street, Danbury, Conn.
General analysis. Consultation.
Specialty: Alkaloidal assays. The chemical analyses of rare and common minerals, carbonate, phosphate and silicate rocks.

D. H. KILLEFFER

168 Westchester Avenue
Tuckahoe 7, N. Y.
Phone: Spencer 9-6821

•

Public Relations for Chemical Enterprises

LAWALL & HARRISSON

CHEMICAL • BACTERIOLOGICAL PHARMACOLOGICAL
Analyses • Consultation Research
FOOD AND PHARMACEUTICAL PROCESS ENGINEERING
Div B, 1921 Walnut Street
Philadelphia 3, Pa.

LEBERCO LABORATORIES

Hormone Assays — Biological Assays
Pharmaceutical and Cosmetic Research
Sterility Tests • Toxicity Studies
Send for information concerning our services
125 Hawthorne St., Roselle Park, N. J.

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of OIL, PAINT AND DRUG REPORTER
Tell them about yours

MOLNAR LABORATORIES

Consulting, Testing and Research
Specializing in
Organic Synthesis
Hormone Assays
Clinical Studies
Product Development and Control
Toxicity and Dermatitis Tests
Disinfectant Testing and Formulation
Member—A. C. C. & C. E.
211 E. 19th St., New York 3, N. Y.
GRamercy 5-1030
Cable Address: Molchem

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of OIL, PAINT AND DRUG REPORTER
Tell them about yours

THE ORTHMANN LABORATORIES, INC.

Consulting Analytical & Research Chemists
For the Leather & Allied Trades
Aug. C. Orthmann, President
922 NORTH FOURTH STREET
Milwaukee 3, Wisconsin

CHEMICAL CONSULTATION RESEARCH • DEVELOPMENT

THE PANRAY CORP.

Research Division
340 Canal Street, New York 13

- Product & Process Development
- Sponsored Industrial Research
- Custom Organic Syntheses
- Chlorination Processes
- Chemical Therapeutics
- Microanalyses

Phone: WAlker 5-7990

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of OIL, PAINT AND DRUG REPORTER
Tell them about yours

W. S. PURDY CO., INC.

Analytical & Consulting Chemists
TESTING OF PETROLEUM OILS WAXES AND RELATED PRODUCTS
18 Bridge Street
Brooklyn 1, N. Y.
Phone ULster 5-6565

THE SCHEPP LABORATORIES

CONSULTING & RESEARCH
Industrial—Agricultural—Biochemical
Wm. J. Schepp, F.A.I.C., Director
Member—A. C. C. & C. E.
21-23 Summit Ave. Fairlawn 6-1212
East Paterson, N. J.

Schwarz

ANALYTICAL, CONSULTING and RESEARCH CHEMISTS
Specializing in chemical, biochemical, bacteriological and nutritional analyses of raw materials and finished products of food and beverage plants. Process surveys and control, legal testing and consultation. Founded 1869.

SCHWARZ LABORATORIES, INC.

202 East 44th St. New York 17, N. Y.

SEIL, PUTT & RUSBY, INC.

Established 1921
Earl B. Putt, President
Alfred S. Moses, Vice-President
Stephen S. Voris, Ph.D., Chief Chemist
Experts in analyses of drugs, essential oils, spices, rotenone and pyrethrum and other organic insecticides, flavors, alcoholic liquors, toilet preparations, proprietaries and special formulae.
16 E. 34th St., New York 16, N. Y.
Phone: MUrray Hill 3-6368

LOUIS L. SHAPIRO

CHEMICAL CONSULTANT
72 Orange Street, Brooklyn 2, N. Y.
TRiangle 5-7715
SPECIALIST—Glycol Esters, Fats, Oils, Stearic Acid, Fatty Acids, Glycerine, Waxes, Emulsifiers, Protein, Fertilizers, Tallow Rendering, Packing House By-Products, Soaps, Cosmetics, Distillation, Dowtherm, Process Engineering, Testing, Research.

CHEMICAL AND ENGINEERING CONSULTANTS

Sense in Research Pays Dollars in Dividends. That is our province for your profit.

We are qualified to serve as Your Research Laboratory. Inquiry entails no obligation.

FOSTER D. SNELL, INC.

Research Laboratories
29 West 15th St., New York 11, N. Y.
WAtkins 4-8800

R. STECKLER LABORATORIES

8200 Harvard Ave. Cleveland 5, Ohio
CONSULTATION AND RESEARCH
MARKET AND APPLICATION RESEARCH
PRODUCT DEVELOPMENT EVALUATIONS
Specializing in coatings, synthetic resins, oils, varnishes, polymerization, high polymers, plastics, adhesives and mastics.

STILLWELL & GLADDING, INC.

130 Cedar Street, New York 6, N. Y.
Analysis Inspection Sampling
Chemicals, drugs, fats, fertilizer, insecticides, oils, soap, solvents, etc.
For Over 80 Years

UNITED STATES TESTING COMPANY, INC.

1415 Park Avenue
Hoboken, New Jersey
Physical and Chemical Facilities for Research, Development and testing
Paints, Varnishes, Lacquers and other Protective Coatings
Accelerated Weathering and Salt Spray Tests
Established 1880

TRUMAN B. WAYNE & ASSOCIATES

Chemical and Engineering Consultants
Process Development & Design
Commercial Chemical Development
Engineering & Economic Surveys
Design of Complete Processing Plants
"28 years in the Chemical Southwest"
Illustrated Brochure Available
1011 Waugh Drive Houston 6, Texas

WILEY & CO., INC.

Analytical and Consulting Chemists
Specializing in Analysis of Beverages Fertilizers, Phosphates, Wood Pulp Coal and Coke, Feeding Materials, etc
Calvert and Read Sts. Baltimore, Md

PEPPER, BLACK—48 bgs, Hindustan Trading Co, Cochin

New Orleans

BENZOL—1,201,835 gls, Hull

Norfolk

COCOA EXPELLER CAKE—667 bgs, Woodward & Dickerson, London
1,500 bgs, Monsanto Chemical Co, Salvador
ROCK—100 bgs, Woodward & Dickerson, London
COTTON LINTERS—2,865 bls, Hercules Powder Co, Santos
334 bls, Hercules Powder Co, Santos
SEED MEAL—1,111 bgs, Woodward & Dickerson, Buenos Aires
MICA—107 cs, Asheville Schoonmaker, Calcutta
PEATMOSS—400 bls, Brussel Corp, Bremen
400 bls, Ernst Bremermann, Bremen
QUEBRACHO EXTRACT—3,760 bgs, River Plate Import & Export, Buenos Aires
1,089 bgs, River Plate Import & Export, Buenos Aires
SODIUM BICARBONATE—933 bgs, Chemical Manufacturing Co, Liverpool

Philadelphia

AMMONIUM BICARBONATE — 58 bbls, Charles Kurz Co, Antwerp
ANTIMONY REGULUS—150 cs, C Gitlan, Antwerp
BONE—1,401 bgs, C M Loeb Rhoades, Buenos Aires
CRUSHED—400 bgs, International Packers Commercial, Brisbane
MEAL—8,249 bgs, Credit Suisse, Rosario
1,523 bgs, Rosario
4,500 bgs, Buenos Aires
BRASS SCRAP—66 pkgs, North American Smelting & Ref, Rotterdam
573 pcs, Dublin
CANARYSEED—437 bgs, Istanbul
427 bgs, Philadelphia Seed Co, Brisbane
COPPER, SCRAP—658 bdls, Learner Co, Yokohama
CRESYLIC ACID—100 dms, Rotterdam
100 dms, T G Cooper, Rotterdam
DIMETHYLAMINE SULPHATE—20 dms, Rohm & Haas, Melbourne
EARTH COLORS—974 bgs, C K Williams, Larnaca
EPSOM SALT—100 bgs, Woodward & Dickerson, Hamburg
FUEL OIL—109,227 bbls, Esso Standard Oil, Aruba
GYPSUM, CRUDE—6,230 tons, U S Gypsum Co, Hantsport
HEMPSEED—278 bls, Philadelphia Seed Co, Istanbul
IRON ORE — 10,481 tons, Bethlehem Steel Co, Narvik
LEAD—597 ingots, Abbott & Cobb, Rotterdam
MARBLE CHIPS—735 bgs, Venice
METALLIC RESIDUE—75 cs, Asso Metal & Minerals, Yokohama
51 tons, Asso Metal & Minerals, Yokohama
OLIVE OIL—50 dms, Chemical Bank & Trust, Seville
PEATMOSS—1,700 bls, Dunwoody Co, Bremen
1,000 bls, E J Lang Co, Bremen
1,210 bls, Premier Peatmoss Co, Bremen
730 bls, Halfmoon Trading, Rotterdam
700 bls, Premier Peatmoss Co, Dublin
400 bls, Keer & Maurer Co, Bremen
400 bls, Domestic & Foreign Discount Inc, Gothenburg
PETROLEUM, CRUDE—116,551 bbls, Texas Oil Co, Las Piedras
368,424 bbls, Socony Vacuum, Mena Al Ahmadi
380,300 bbls, Atlantic Refinery, Puerto La Curz
566,708 bbls, Gulf Oil Corp, Puerto La Cruz
26,875 tons, Gulf Oil Corp, Mena Al Ahmadi
118,357 bbls, Socony Vacuum, Covenas
307,585 bbls, Gulf Oil Corp, Mena Al Ahmadi
109,665 bbls, Gulf Oil Corp, Las Piedras
114,710 bbls, Texas Oil Co, Guanta
POTASSIUM MURIATE—636,200 kilos, French Potash & Import Co, Antwerp
SOAP—5 cs, Carson M Simon, Liverpool
VANILLA BEANS—46 cs, Tradesmens National Bank, Tahiti
WHITING—2,000 bgs, N H Weitzner, Antwerp
ZINC—3,405 pcs, Miles Metal Corp, Antwerp
CHLORIDE—67 dms, Industrial Sales Corp, Antwerp
ZIRCON SAND—13,000 bgs, Philipp Bros, Brisbane

San Francisco

BRASS SCRAP—216 dms, Bank of America, Manila
CASSIA—100 bls, Cunningham Co, Hong Kong
CINNAMON QUILLS—25 bls, Otis McAllister & Co, Colombo
102 bls, East Asiatic Co, Colombo
CONCENTRATES—500 bgs, M S Cowen Co, Manila
10 dms, American Smelting & Refining Co, La Union
COPAL GUM—213 bkts, Henry W Peabody, Tandjong Priok
COPRA—300 tons Western Vegetable Oil, Cebu
300 tons, Cargill, Inc, Cebu
CREOSOTE—1,327 tons, Bernuth Lembcke & Co, Middleborough
GALLNUTS—840 bgs, Mallinckrodt Chemical Works, Hong Kong
GINGER, INEDIBLE—21 bgs, London
LYCOPODIUM—5 bls, G Reising & Co, Yokohama
MACE—77 cs, Catz American, Tandjong Priok
MUSTARD—56 cs, Atlantic Sales, London
OLIVE OIL—206 dms, A Giurlani & Co, Barcelona
50 dms, R Vanucci Co, Barcelona
100 dms, Barcelona
PAPRIKA—125 bgs, Barcelona
PEPPER, BLACK— 560 bgs, B C Ireland, Bombay
80 bgs, D Hecht & Co, Bombay
WHITE—14 bgs, Singapore
PEPPERMINT OIL—10 cs, Rosenthal Bercow Co, Yokohama
PIMENTO—200 bgs, Pacific National Bank, Kingston
40 bgs, Joensson Cross, Kingston
PYROTECHNICS—18 cs, Suey Chong Co, Hong Kong
SESAME SEED—5,993 bgs, Pacific Vegetable Oil, Hong Kong
SODIUM MONOGLUTAMATE—20 cs, Wilbur Ellis, Yokohama
100 dms, Wilbur Ellis, Yokohama
TALC—15 cs, All-Brite Trading Co, Marseille
TIN—1,120 slabs, Order
TUNG OIL—465 dms, Taku Bar
VITAMIN A OIL—4 dms, Harris & Bissel, Yokohama

Trade Briefs

Arthur Lehman of Leecol Products, New York, is spending the summer at Belle Harbor, L. I.

C. W. Hartwick has been appointed sales manager of Northwestern Drug Company, filling the vacancy caused by the death of the late Richard Schroder.

Winthrop - Stearns, Inc., New York recently concluded a six-week "refresher seminar" for sales representatives on company products and new concepts and application of sales methods and detail presentations to physicians and other customers.

SYMBOL OF TRUST ✓ ✓ ✓

WHAT PENICK MEANS TO YOU

- A complete line of over 5,000 items—virtually every raw material the pharmaceutical manufacturer requires.
- Highest quality products manufactured to exacting specifications under constant laboratory control.
- Research laboratories and scientifically trained staffs to maintain PENICK products up to latest standards.
- Years of experience in supplying the domestic and export markets and shipping customers' requirements promptly.

ALWAYS A DEPENDABLE SOURCE OF SUPPLY FOR:

BOTANICAL DRUGS
EXTRACTS OF BOTANICALS
ALKALOIDS AND GLYCOSIDES
OLEORESINS
RESINS
CONCENTRATIONS
RARE PLANT PRINCIPLES
AROMATIC CHEMICALS
VITAMIN CONCENTRATES
ESTROGENS
ESSENTIAL OILS
PERFUME COMPOUNDS
INSECTICIDES
SPICES
WATER-SOLUBLE GUMS

The World's Largest Botanical Drug House

S. B. PENICK & COMPANY

50 CHURCH STREET, NEW YORK 7, N. Y.
Telephone COrtlandt 7-1970

735 WEST DIVISION STREET, CHICAGO 10, ILL.
Telephone MOhawk 4-5651

BOTANICAL DRUGS • ESSENTIAL OILS • MEDICINAL CHEMICALS • AROMATIC CHEMICALS

"... CHANCE WILL BRING US THROUGH"*

Chance MAY bring you through, but a dependable source of supply is CERTAIN to bring you through. Prentiss is the dependable, basic source of supply so necessary to successful business.

We can offer a variety in stocks of both foreign and domestic Crude Drugs in whole and milled form. You leave nothing to Chance when you buy Botanicals from a basic source of supply.

*Matthew Arnold, "Empedocles on Etna."

RAX--A NEW RODENTICIDE--NOW AVAILABLE

Contains tasteless and odorless warfarin (W.A.R.F. Compound 42) which kills rats and mice by producing hemorrhage. Tested by government agencies, health departments, PCO's and farmers with 85-90% satisfactory results. Now available for professional use, for consumer packaging under private label or for packaging with prepared baits. For full information and price schedules, call or write:

R. J. PRENTISS & CO., Inc.

110 William Street, New York 7, N. Y. • 9 So. Clinton Street, Chicago 6, Ill.

PLANTS: BROOKLYN, N. Y. AND NEWARK, N. J.

Botanical Drugs, Spices, Gums

Tension eased however slightly last week in the market for botanicals. The recently almost overwhelming and overpowering determination to buy merchandise with almost riotous disregard for the cost thereof was less of a market influence than it had been in the previous fortnight or three weeks. However, the basis for the determination to buy remained:—the fear and danger of war spreading in Asia, and even once again afflicting a barely convalescence Europe, was still the basis for an active market regardless of how much the recent splurge of unrestrained buying may have abated. The market index continued to climb; it was up 0.5 point to 186.9.

Among drug items, blood root and Mexican sarsaparilla root, copaiba and tolu balsams, NF cramp bark and Syrian fenugreek seed sold higher, and Mexican sources advised that jalap and sarsaparilla roots had been placed under an export license requirement at the origin. Price shading on Nigerian spilt ginger root meant little when the strong position of Jamaican and African root was considered.

Mace led the group of flavoring botanicals into new and rarefied price strata. So did Ceylon cinnamon, and most kinds of nutmegs. The downward shifts in celery and coriander seeds were without benefit of more favorable replacement cost. Demand emphasized the lack of cheaply priced cassias.

Further study of the domestic botanical drug position and outlook led to the conviction that unless collection weather improves, a crop shorter than that of 1950 is not unlikely. Comparison of buying prices in July vs. June this year in the source area revealed than out of some thirty-three prices changed in July from June levels, all but three were advances.

Balsams

Copaiba — Local dealers strengthened their views and at the close of last week the market was higher at 68c. to 75c. per pound. This was in line with replacement cost and current needs.

Fir — The few suppliers of Canadian balsam said the situation was getting very tight here because of their inability to secure replacements from Canada; recent orders involving two tons were turned down by the source. Oregon balsam was steady.

Tolu—The market was higher at $3.45 per pound as a minimum quotation which, it was said, was still hard to align with shipment quotations from the origin. However, some quarters advanced to $3.60 and even $4.15 per pound.

Barks

Cocillana — Reports of arriving crude drugs have not included many in which this bark appeared; imports to this time this Summer would appear to have been subnormal. Spot prices have hardened considerably; at least, no further tendency to shade prevails at the present time.

Cramp — The need for genuine and strictly USP bark is comparatively small but those who still require the item find its price higher at $1 to $1.05 per pound for prime, NF quality bark.

White Pine—Collection has not been too

Imports Detained by FDA

Week Ended August 4

New York

Caraway seed, 280 bags: filthy.
Cassia, 165 bales: insect filth.
Cassia oil, 2 drums: Rosin and heavy metals.
Chillies, 821 bags: live and dead insects.
Cumin seed, 517 bags: insect infested.
Chamomile flowers, 56 cases: insect infested.
Cod oil, 100 drums: decomposed.
Dandelion root, 18 bales: insect infested.
Galangal root, 175 bags: insect infested.
Ginger root, 262 bags: insect infested.
Henbane leaves, 8 bales: not official variety.
Kola nuts, 320 bags: insect infested.
Moss, 100 bales: insect infested.
Oregano, 275 bags: filthy.
Nutmegs, 375 bags: wormy and moldy.
Pepper, black, 720 bags: moldy and insect bored.
Rhubarb root, 38 bags: not official variety.
Sage leaves, 775 bags: not official variety: filthy.
Sesame seed, 150 bags: insect infested.
Saffron, tins, 4 cases: unlabeled.

Market Trends

Prices Advanced

Drugs

Blood root, 5c. per lb.
Copaiba bark, NF, 20c. per lb.
Cramp bark, NF, 20c. per lb.
Fenugreek seed, Syrian, ½c. per lb.
Sarsaparilla bark, Mexican, 2c. per lb.
Tolu balsam, 5c. per lb.

Other Articles

Allspice, Mexican, 1½c. per lb.
Anise, Mexican, 1c. per lb.
Turkish, ¼c. per lb.
Cassia, Batavia, longstick, 2c. per lb.
Canton, rolls, ½c. per lb.
broken, ¼c. per lb.
Cinnamon, No. 2 Ceylon, 6c. per lb.
Fennel seed, Czech, dark, 1c. per lb.
Mace, Siauw, 20c. per lb.
West Indian, 15c. per lb.
broken, 17c. per lb.
Marjoram, Peruvian, 2c. per lb.
Mustard seed, Dutch yellow, 1c. per lb.
English yellow, 2c. per lb.
Nutmegs, E. I. 110's, 1c. per lb.
shipment, 4c. per lb.
West Indian, ½c. per lb.
shipment, 2c. per lb.
Pepper, black, spot, 25c. per lb.
Aug. shipment, 10c. per lb.
Aug.-Sept. shipment, 10c. per lb.
Rosemary leaves, Spanish, ¾c. per lb.
Sesame seed, Nicaragua, hulled, 1c. per lb.

Prices Reduced

Drugs

Ginger root, Nigerian, split, 1c. per lb.

Other Articles

Celery seed, Indian, 1c. per lb.
Clove, Zanzibar, spot, ½c. per lb.
Coriander seed, Argentine, 1c. per lb.
Moroccan, 2c. per lb.
Pepper, white, afloat, 5c. per lb.
Sage, Spanish, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
186.9	186.4	181.7	193.6	176.2

(*For Current Prices see Page* 9)

encouraging and a generally steady to firmer market position is growing.

Wild Cherry—Higher buying prices in the domestic primary market have not resulted in a needed increase in the production by gatherers. On the whole and in most primary market areas, prices have become definitely firmer and tend upward.

Beans

Vanilla—Advices from primary markets stress the growing firmness of prices and the disposition of shippers to reject bids. Realizing that American buyers have been out of the replacement market for some time past, shippers concentrate on the idea that they will be forced to return, sooner rather than later. However, importers here intimated last week that substantial quantities of beans remained unconsumed in this country, the result of the heavy importations that featured the first quarter of this year. Meanwhile, the spot market marked time.

Berries

Juniper — Considerable talk about shrinking supplies and upping prices has circulated locally in the past fortnight. However, unless the political situation in Europe shall deteriorate between now and another crop, consumers appear likely to find their requirements well supplied if they take on sufficient import quantities.

Flowers

Chamomile—Flowers continued in very short supply; in fact, almost any quotations would be nominal and dependent on the future arrival of new imports from Europe. Another long awaited lot reached here and was detained by the Food and Drug Administration during the week ended August 4. It was a lot of 56 cases, detained because on insect infestation.

Lavender—The rather large sized consignment lot of Spanish spike flowers has found no favor with potential buyers; the offering, very low in price, remained unsold last week. Most buyers demand the genuine French flowers.

Saffron—The firmer and slightly higher price position occupied by Spanish flowers during the past two weeks remained unchange or unshaken during the period under review. Quantities unsold were mainly held at $17.50 to $18 per pound.

Gums

Benzoin—The market has firmed moderately without bringing prompt reflection in local quotations. Preparations against the season of expanding consump-

For Late Market Developments, See Page 4

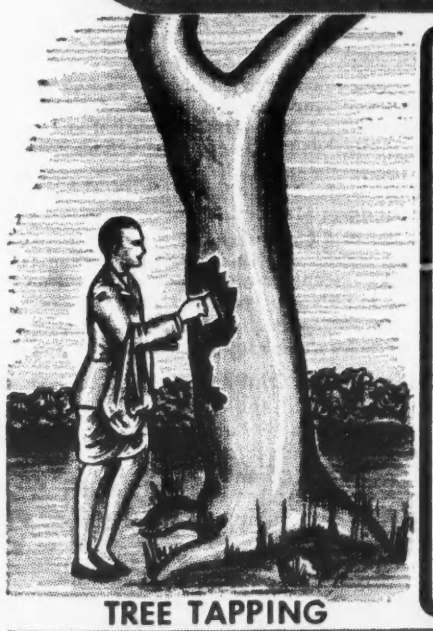
"Diethylstilbesterol Hopkins"

Available from stock in crystalline powder and in granulated forms for ready-to-make tablets.

Prices on request.

J.L. HOPKINS & CO.
477 Kent Street, Brooklyn, N. Y.
BOTANICAL DRUGS
EXTRACTS
MEDICINAL CHEMICALS

GUMS Chemicals and Drugs
(CRUDE, POWDERED)



TREE TAPPING

GUMS:
GUM ARABIC
GUM ARABIC (Bleached)
GUM GHATTI
GUM KARAYA (Indian)
GUM TRAGACANTH
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
CASEIN
★
SPECIALTIES:
MENTHOL (Crystals)
★
TEA SEED OIL
★
EGG ALBUMEN
EGG YOLK
BLOOD ALBUMEN
JAPAN WAX
CANDELILLA WAX

PAUL A. DUNKEL & CO., Inc.
IMPORTERS AND EXPORTERS
1 WALL STREET, NEW YORK 5, N.Y. Hanover 2-3750
CHICAGO: 919 N. MICHIGAN AVE., TEL. SUP. 7-2462
REPRESENTATIVES:
CHICAGO: CLARENCE MORGAN, INC. PHILADELPHIA: BAKER & GAFFNEY
BOSTON: P. A. HOUGHTON, INC. LOS ANGELES: JOHN A. HUGHES

VAN GELDER-FANTO CORPORATION
52 Vanderbilt Avenue New York 17, N. Y.
Telephone: LExington 2-4901-4
Cable Address: Biologra, New York • Mafanto, New York

CONCENTRATED OX GALL & SHEEP GALL
CHOLESTEROL U.S.P. & TECHNICAL
GLANDULAR POWDERS
PROGESTERONE U.S.P.
BEEF EXTRACT

tion find the article more closely held on spot and not too readily available at the origin.

Camphor—Some gain in arrivals of natural material from Formosa has taken place but the gain is not maintained with regularity and, consequently, does not result in a substantial accumulation of spot supplies. Synthetic material was in good supply and moving in normal quantities at full market prices—which can compete materially with anything Formosa can send at present.

Tragacanth—The market continued to display strength on spot and the ability to rise in the primary market. Normal quality No. 1 ribbon gum was not available under $3.25 per pound and more often was held around $3.50 to $3.75. An improvement in demand has also assisted in the advance.

Herbs and Leaves

Belladonna—European advices suggested a strengthening of price ideas and the disposition of shippers to revise their late practice of accepting reasonable bids.

Catnip—No over supply is apt to be in hand at the end of this Fall and practically all disposition to compete for business at the expense of prices has been removed thereby.

Lobelia—To a limited amount of carryover material has been added a comparatively small domestic collection achieved this year at advancing cost to the primary market collector. Normal demand would find the market apt to advance considerably.

Marjoram—The only change in prices within this group came in Peruvian material which brought the higher price of 40c. to 41c. per pound. French goods were mainly offered to arrive or afloat.

Oregano — Mexican herb was a small fraction higher at 16½c. to 17c. per pound. Other varieties were firm to firmer.

Rosemary — Spanish leaves were advanced to 7¼c. to 7½c. per pound. French and Portuguese remained steady to firmer.

Sage—From nominal position Spanish leaves became firm at 11c. to 12c. per pound. Dalmatian continued in very low supply.

Miscellaneous

Ergot—Still available only in virtually token quantities, NF material in future arrival position failed to disclose any marked tendency toward basic weakness. Some areas in Europe have an almost normal crop but others are running below reasonable estimates.

Grains of Paradise—Firm on spot, the immediate call for Guinea pepper was unimposing. The price remained imposing enough at 45c. to 46c. per pound.

Papain—An undertone of considerable strength ruled the spot market and further business confirmed prices at $3.50 to $4 per pound. In fact, it became increasingly more difficult to get a delivery at the minimum figure of the range. The strength is based on a total reversal of the recent replacement position.

Roots

Aletris—No over stocking of this item seems likely this year. However, buying prices in the primary market have not changed much from what was paid a year ago in August.

Blood—Spot quotations were up to 45c. to 50c. per pound, a development which partially reflected the rising trend of prices in the primary market were collection prices have risen.

Black Cohosh—It may be early to guage probable collection but in the event of demand exceeding that of last year, a considerably stronger price position would surprise none.

Dandelion—Resumption of more active trading wont find the spot market burdened with replacement supplies. On the contrary, arrivals have yet to increase and new stocks will cost more money.

Jalap — According to advices received from Mexican sources, exports of this root are now subject to the exporter getting a permit from the Mexican Department of Economy.

Mandrake — Broad guage demand has yet to arrive but the call continued to pick up sufficiently to keep sellers' prices headed toward higher levels. The depressing in late months is no longer.

Rhubarb—More arriving root has been rejected by the Food and Drug Administration, this time consisting of 38 bags of an unofficial variety. Since the rejected root came in bags, it probably was not Chinese in origin.

Sarsaparilla—Mexican root was higher at 30c. to 32c. per pound. From Mexican sources came the information that a license to be obtained from the Mexican Department of Economy is now required on export parcels.

Seeds

Anise — Mexican seed was raised to 16½c. to 17c. per pound and Turkish material went to 14c. to 14½c. Other kinds were unchanged.

Cardamom—Scarcity governed all varieties. The only change in price was a restoration of Alleppey green cardamom at $2.75 to $2.80 per pound.

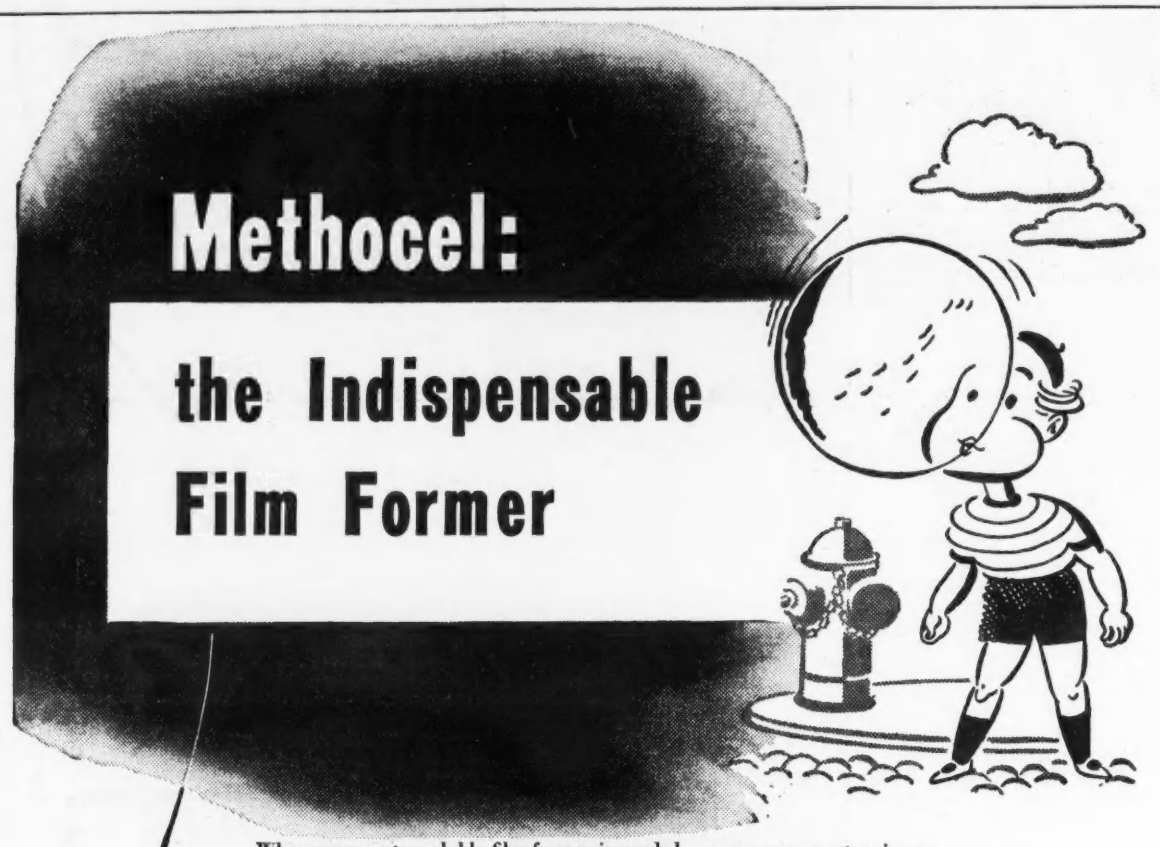
Celery—Scarcity was the main reason for the spot price on French seed being 42c. to 43c. Some was bought to come forward quite a bit under that position. Indian seed was lower at 27c. to 27½c.

Coriander — Argentina seed reacted downward to 19c. to 20c. per pound. So did Moroccan when it was priced at 26c. to 28c.

Fennel—Dark Czech seed was advanced to 11½c. to 12c. per pound. French was bought for import around 11c.

Fenugreek — Syria was up to 7c. to 7½c. per pound but Moroccan was still available at 6½c. to 7c.

Mustard—Dutch yellow was advanced to 14c. to 14½c. per pound. So was English yellow at 15c. to 15½c. The new



Wherever a water-soluble film-former is needed, process men are turning to Methocel. This superior synthetic gum is currently being used in many products . . . resin emulsion paints, pharmaceutical and cosmetic preparations, paper sizing, automobile and floor polishes, and many other applications.

Methocel (Dow Methylcellulose) is a white, odorless, tasteless water-soluble cellulose ether, stable in alkali and dilute acids. Oils of animal, vegetable or mineral origin do not affect Methocel.

In addition to its use as a film former, Methocel, is an excellent agent for thickening, emulsion stabilizing, binding and suspending. Wide use in the rubber, paint, leather, soap, cosmetic and drug industries has proved Methocel invaluable in improving processes and products.

We invite your process men to try the *new* Methocel, *powdered.* A free, experimental sample is yours for the asking. Just send in the coupon below.

THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN

THE new Methocel

DID YOU GET YOUR SAMPLE?

The Dow Chemical Company
Dept. ME 374
Midland, Michigan
Please send free sample of METHOCEL, for use in_____
Check viscosity desired: 15, 25, 100, 400, 1500, 4000 cps.
Name and Title_____
Firm_____
Address_____

DOW
CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

rop harvest of Montana seed is expected o start in ten days or two weeks. Good weather should make good yields possible n the acreage to be cut.

Poppy—After a long absence, Argentina seed reappeared here in the form of n offering at 17c. to 17½c. per pound afloat. Dutch seed was sharply higher t 25c. to 25½c.

NEW IMPROVED
Colloids
can solve your gelling thickening, suspending, or stabilizing problems

Krim-Ko's uniform, established lines of seaplant derivatives—KRIM-KOgel KRIM-KOloid, KRIM-KOld, KRIM-KO Tendergel and *CARRAGAR*—have proven remarkably effective and dependable in a wide range of food, industrial and pharmaceutical applications. These proven, uniform colloid agents can be as useful to you as they are to some of this country's largest and most successful manufacturers and processors. Tests have proven that they gel, thicken, suspend and stabilize better than most materials heretofore obtainable. Their dependable uniformity makes them especially easy to use.

Send in your problem to our laboratory—no obligation

Krim-Ko maintains a complete well-staffed laboratory devoted exclusively to the solution of problems in this field. If you have a problem involving emulsifying, thickening, suspending or stabilizing—send it in to us. Our laboratory will make their recommendations in confidence—without obligation or cost. Or if you prefer—we will send you sufficient working samples for your own laboratory. Write today.

KRIM-KO Corporation
SEAPLANT PRODUCTS DIVISION
NEW BEDFORD, MASS.

MUSTARD FLOUR
ALL GRADES
U S P
U S P BROWN
Special for Mayonnaise
Old Dutch Mustard Co., Inc.
Manufacturers
80 Metropolitan Ave., Brooklyn 11, N.Y.
Phone: EVergreen 7-9156

Spices

Allspice—Spots were absent. Spice afloat was priced higher at 21½c. to 22c. per pound.

Cassia—Batavia longstick was advanced to 16½c. to 17c. per pound. China rolls were 16½c. to 17c. per pound, though the position was not exactly stable thereat because of pending arrivals. Broken extra select became 14¼c. to 14½c. Other varieties lacked change.

Cinnamon—Ceylon No. 2 was acutely more expensive at 45c. to 47c. per pound, spot delivery. And not much was on hand at any price.

Clove—Source markets were rejecting bids most of the time last week. Zanzibar spice was priced closer at 27c. to 27½c.

Ginger—Split Nigerian material was shaded to 34c. to 35c. per pound, Jamaican root was lightly stocked at firm prices. African was similarly placed.

Mace—One quarter declared: "The spot position of mace is 'amacing.'" No. 1 Siauw brought $1.35 to $1.45 per pound; West Indian, $1.25 to $1.30; broken West Indian, $1.20 to $1.25. These prices resulted from the sharpest advances for many years when confined to a single week.

Pepper—While there was considerable activity on spot, it lacked the forcing, hectic basis that brought spot black pepper to $2.60 in the recent past. Numerous spot sales were noted at $2.45 per pound up to mid week. August shipment shortly at midweek was down to $1.75. August-September shipment was $1.65. And a delivery in those two months was firmly quoted at $1.90. White pepper afloat was $2.85 per pound; August shipment, $2.80. August-September shipment, $2.75. Red peppers were about to experience a revived demand of seasonal sort. Haitians were higher at 56c. to 56½c. per pound and the Hontakas from Japan were up to 58c. to 58½c. Red peppers were mainly in good supply.

Sharp advances on Friday set the following prices:—Black, spot, $2.70 to $2.75 per pound; August shipment $1.80 to $1.85; August-September shipment, $1.75 to $1.80.

GBI Offers Catalog

Publication of the August issue of the GBI catalog has been announced by General Biochemicals, Inc., Laboratory Park, Chagrin Falls, Ohio. It lists 224 special products for investigational use in the fields of biology, microbiology, bacteriology, biochemistry and nutrition. The following types of products are included:—amino acids, carbohydrates, nucleoproteins, purines, pyrimidines, enzymes, microbiological and bacteriological media, complete biological test diets, various test diet ingredients and miscellaneous research biochemicals. Copies of this new GBI publication are available upon request to the company.

Winthrop-Stearns Invites 175,000 Professionals to Visit New Labs

Invitations to visit the new Sterling-Winthrop Research Institute at Rensselear, N. Y., have been sent to 175,000 doctors, druggists, veterinarians and hospital personnel in the United States by Dr. Theodore G. Klumpp, president of Winthrop-Stearns, Inc., New York. The new laboratories will be open for inspection by members of the profession every Friday during the next twelve months.

Celanese Issues Brake Fluid Data

Celanese Corporation of America, New York, has published an information bulletin (E-2) giving data on brake fluid formulation. In addition, an explanation of specifications of the Society of Automotive Engineers and a critical examination of twenty typical formulations are given. Copies are available upon request to the concern's chemical department, 180 Madison avenue, New York 16.

Rotenone
RESINS OR POWDER
ORBIS PRODUCTS CORPORATION
215 PEARL STREET, NEW YORK

VANILLA BEANS
DIRECT IMPORTERS
ALL VARIETIES
ESTABLISHED 1856
THURSTON & BRAIDICH
286 Spring Street, New York 13, N. Y.

M. Cortizas & Co.
IMPORTERS OF VANILLA BEANS
ALL VARIETIES
731-733 ARCH STREET
PHILADELPHIA 6, PA.
CABLE ADDRESS—VANCORT
CODES · BENTLEY'S SECOND PHRASE AND PRIVATE

VANILLA BEANS
ZINK & TRIEST CO.
15 LOMBARD STREET PHILADELPHIA 47, PA.

ZIMCO®
LIGNIN Vanillin C.P. U.S.P.
A Natural Source Vanillin
Vegetable origin. Produced by our patented process from coniferous woods.

PURITY—C.P. U.S.P. Pure crystals having only the true vanilla-like flavor.
SOLUBILITY—Dissolves more quickly due to its uniform crystalline structure.
EXQUISITE AROMA and DELECTABLE TASTE of Zimco pure Lignin Vanillin are imparted to your product.
UNIFORM FLAVOR—Never varies. Enables you to use Zimco Lignin Vanillin as a standard in determining your formulas.
CONSTANT AVAILABILITY—Unlimited supply of basic material. Our process is continuous.

Warehouse stocks: NEW YORK, CHICAGO, LOS ANGELES
Shipments made DIRECT FROM FACTORY: ROTHSCHILD, WISCONSIN
Additional stocks carried at: ATLANTA, DALLAS, PORTLAND (Ore.), RENSSELAER (N. Y.) ST. LOUIS, SAN FRANCISCO for emergency deliveries

Sterwin Chemicals INC.
SUBSIDIARY OF STERLING DRUG CO.
1450 Broadway, NEW YORK 18, N. Y.
445 Lake Shore Drive, CHICAGO 11
Branch Offices: ATLANTA, BOSTON, BUFFALO, CHICAGO, DALLAS, KANSAS CITY (MO.) LOS ANGELES, MINNEAPOLIS, PORTLAND (ORE.), ST. LOUIS
WORLD'S LARGEST SUPPLIERS OF VANILLIN

MAGNUS MEANS RELIABILITY

M&R MAGNUS

PEPPERMINT OIL
MOHAWK BRAND

SPEARMINT OIL MOHAWK BRAND U. S. P.

(Single distilled • redistilled U.S.P. • Triple distilled U.S.P.)

The finest quality obtainable in both Peppermint and Spearmint Oils is identified by the famous Mohawk trademark. The use of these oils by 3 out of 4 pharmacists testifies to their uniform excellence—yet all grades are priced lower than other accepted brands.

MAGNUS, MABEE & REYNARD, INC.

Write MM&R for further information

16 DESBROSSES STREET, NEW YORK 13, N. Y.
221 NORTH LA SALLE STREET, CHICAGO, ILL.

Los Angeles: Braun Corp. • Seattle, Portland, Spokane: Van Waters & Rogers, Inc.
San Francisco: Braun-Knecht-Heimann Co.

SINCE 1895...ONE OF THE WORLD'S GREATEST SUPPLIERS OF ESSENTIAL OILS

MYSORE GOVERNMENT SANDALWOOD OIL

Distilled at Linden, N. J., from selected Mysore Heartwood by Sole Distillers and Selling Agents

W. J. BUSH & CO.

INCORPORATED

11 East 38th Street, New York 16, N. Y.

ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

Florasynth LABORATORIES, INC.

1533 OLMSTEAD AVE • N. Y. 61, N. Y.

SUPREME AROMATICS
ESSENTIALS • FLAVORING
PERFUME • OILS

Chicago 6, Los Angeles 13 and other principal cities in the U. S., Canada and Mexico

Spot

ESSENTIAL OILS

FLAVORING MATERIALS | PERFUME OILS ODOR MASKS | AROMATIC CHEMICALS

Domestic—Expor May We Serve You?

D. W. HUTCHINSON & CO., INC.

162-164 FRONT STREET NEW YORK 7. N. Y. | FOUNDED 1896 | Telephone: WHitehall 3-4774

UNEXCELLED CASSIA OIL SUBSTITUTE...

Thanks to the perfection of Fritzsche's tremendously popular OIL CASSIA IMITATION (Not USP), hard pressed users of the now-scarce natural oil have available a replacement that is completely satisfactory, moderately priced and for the present, at least, in ample supply. Many of those who substituted our OIL CASSIA IMITATION for the genuine following its introduction during the last war, continue to use it because of its remarkably true flavor, uniformity, low cost and ready availabilty at all times.

LET US QUOTE YOU PHONE, WRITE OR WIRE

FRITZSCHE Established 1871 Brothers, Inc.

PORT AUTHORITY BUILDING, 76 NINTH AVENUE, NEW YORK 11, N. Y.

BRANCH OFFICES and *STOCKS: Atlanta, Georgia,* Boston, Massachusetts, *Chicago, Illinois, Cincinnati, Ohio, Cleveland, Ohio, Dallas, Texas, Detroit, Michigan, *Los Angeles, California, Philadelphia, Pennsylvania, San Francisco, California. *St. Louis, Missouri, *Toronto, Canada and *Mexico. D. F. FACTORY: Clifton, N. J.

Essential Oils, Other Aromatics

Still growing in strength, the essential oils and aromatic chemicals market once again caused price increases which far outnumbered and outweighed any reductions. Among the twenty-two items which moved up in price, the most noticeable included Italian bergamot, caraway, cassia, lemongrass, snakeroot, spearmint, Bourbon vetiver and wormseed oils. For the most part the declines were based on market competition and included such items as camphor, dillweed, juniper berry, and wormwood oils. The price index rose to 150.5, which was 4.4 points above that of the previous week.

The sole spot of stability was the material which originates in South America and the West Indies. Such items as bois de rose and petitgrain oils seemed to be avoiding the rush-buying by consumers and did not appear to be suffering the price hold-out at the source as was the case of most French and Far Eastern oils. Spanish oils, while firmer than they were some weeks ago, did not present any problem to suppliers and users.

Anise and cassia oils have become almost unobtainable and dealers reported that new offers from the primary source were above the minimum spot prices. Bourbon vetiver oil has also gone so high that consumers have begun to lose interest. Lemongrass oil continued its upward drive as did albies siberica, caraway and cinnamon bark oils. Both spearmint and wormseed oils gained strength prior to receiving reports on the new crops, which are due in the near future.

The Italian citrous oils, including bergamot and lemon oils, moved still higher. The Consortium increased its bergamot oil price and all dealers went along with it. Suppliers reported that the tight Italian oils situation has discouraged many users who have been turning to the domestic oils.

The heavy buying that prevailed during the past few weeks was apparently slackening. Buyers, who rushed to stock up on those items which were scarce during the past war, were becoming calmer with the improvement in the fighting situation in Korea.

Market Trends

Prices Advanced

Abies siberica oil, 10c. per lb.
Anise oil, 5c. per lb.
Bergamot oil, Italian, 25c. per lb.
Caraway oil, 60c. per lb.
Cassia oil, 35c. per lb.
Cedarleaf oil, 10c. per lb.
Cinnamon bark oil, $5 per lb.
Citral, 50c. per lb.
Eucalyptus oil, 70-75%, 5c. per lb.
80-85%, 7c. per lb.
Lavandin oil, 20c. per lb.
Lemon oil, Messina, 25c. per lb.
Lemongrass oil, 35c. per lb.
Mandarin oil, Floridian, 15c. per lb.
Nutmeg oil, E. I., 20c. per lb.
Ocotea cymbarum oil, 2c. per lb.
Orange oil, sweet, distilled, 15c. per lb.
Petitgrain oil, 20c. per lb.
Rose oil, Bulgarian, $2 per oz.
Sassafras oil, USP, 5c. per lb.
Snakeroot oil, $4.75 per lb.
Spearmint oil, 15c. per lb.
Vetiver oil, Bourbon, $5.75 per lb.
Wormseed oil, 25c. per lb.

Prices Reduced

Camphor oil, white, 3c. per lb.
sassafrassy, 1c. per lb.
Dillweed oil, 10c. per lb.
Juniper berry oil, 50c. per lb.
Lime oil, West Indian, 25c. per lb.
Nutmeg oil, West Indian, 5c. per lb.
Sage oil, clary, 25c. per lb.
Spanish, 5c. per lb.
Wormwood oil, 20c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
150.5	146.1	135.1	102.8	109.0

(For Current Prices see Page 9)

Essential Oils

Abies Siberica—Small spot stocks available to consumers were increased in price to range between $2.95 and $3.50 per pound. Russian sources were holding back on shipments and dealers reported that there was some material moving around Europe but none has been shipped to this market in recent weeks.

Anise—This material continued its upward price moves and last week increased 5c. per pound, putting the spot market at $1.20 to $1.60 per pound. The oil remained one of the difficult spots in the market and shippers' quotations were constantly higher.

Bergamot—A rise in the Consortium price to $5.25 per pound brought with it comparable increases in all spot material to a set new minimum of $4.75 per pound. Like all citrous oils from Italy, this item had been growing steadily in strength, but this rise was somewhat sharper than those made in the past few months. Interest in the oil, while not as great as that in other citrous oils, was constant.

Bois de Rose—As an item of South American origin, this oil remained apparently unaffected by the political situation of the world. Prices were stable, ranging from $3.50 to $3.90 per pound. Dealers reported no difficulty in getting replacements and a rather active interest on the part of consumers.

Camphor—Large warehouse stocks have been reported to be available, thus keeping spot prices fairly reasonable. White oil showed a decline of 3c. per pound to range from 17c. to 60c., while the sassafrasy item dropped 1c. per pound to take a position at 22c. to 60c. per pound. It was reported that no new offers have come out of the primary source, but this has not yet affected the local market.

Caraway—A rather sharp rise occurred in the price of this oil and offers last week ranged between $3.70 and $4.10 per pound. Stocks were limited and demand mild.

Cassia—The meager quantities of the oil which were available on the local market were extremely high in price, ranging from $3.50 to $4.75 per pound. Only a few dealers ventured to quote on the item, others having withdrawn it from their stock lists temporarily. Small amounts were reported to be arriving from Hong Kong from time to time, but prices set by shippers were constantly firmer.

Cedarleaf—Adding to the strength exhibited by this article the previous week, there was an increase of 10c. per pound in the minimum offer last week. Throughout the market prices gained strength and the range of quotations ran from $2.10 to $2.40 per pound.

Cinnamon—Very limited quantities of replacements continued to arrive from time to time and those at rather high prices. The spot market became firmer, after a few months of slightly lower prices, at a new range of $25 to $60 per pound. Leaf oil from Ceylon remained quiet, with light dealings reported.

Citronella—Shipments continued to arrive from Ceylon and prices of spot material remained steady at, mainly, $1.20 to $1.40 per pound. Java oil was offered in fairly good quantity at $1.70 to $2.20 per pound. Some Formosan and other Java-type material was available at $1.50 per pound. There was a good deal of trading on the local market and dealers reported no difficulty in meeting all inquiries. According to government statistics, during May, 1950, a total of 12,146 pounds of citronella oil was exported from this country at a value of $8,996.

Dillweed—One handler was able to offer this item at a price 10c. per pound below the previous minimum quotation, and the market range stood at $4.90 to $6 per pound. The small carryover from last year seemed still to be in hand and all requirements were being met. The new crop is expected to arrive at the market in September, but no forecast was made as to the size and condition of the new crop.

Eucalyptus—Both grades have tightened somewhat and last week showed slight price increases. The 70-75 percent grade moved up to a position at 60c. to 88c. per pound, and the twice-rectified 80-85 percent item jumped to 72c. to $1.25 per pound. Reports emanating from Australia, according to dealers, indicated that the country has had a severe labor shortage which was intensified by the developments in the Far East which have caused an increase in armaments production, thus sapping manpower from farming and other industries. This has resulted, in this instance, in a rise in replacement costs of oil from that source. Material from other customary sources was apparently freely available.

Geranium—Still one of the tightest items in the market, prices remained firmly at $22 to $25.50 per pound for Bourbon material, while African oil held at $20 to $24 per pound. According to one observer, the great shortage of oil was due, in large part, to the fact that many growers were using the major portion of their crop yield to replant. This added to the losses suffered in the hurricanes early in the year in Reunion may be expected to keep prices high until new crops are gathered.

Lavandin — Additional strength was added to an already strong market and

For Late Market Developments, See Page 4

prices increased as much as 20c. per pound to a range of $1.65 to $2.25 per pound. It was the opinion of one observer that the new crop prices would continue to be high. A great many consumers were attempting to buy large quantities to cover future needs and shippers were holding out for higher prices.

Lavender—Prices remained stable and rather high. One large supplier reported that shippers were reluctant to quote on new material in the hope of being able to ask still higher prices. New crop material may be expected about the middle of this month and indications were toward stronger prices.

Lemon—Oil from California remained steady, ranging from $3.35 to $3.75 per pound, depending upon producer. Italian material increased at the low end of the price scale by 25c. per pound, making for a range of $3.60 to $6.50 per pound. According to handlers, the demand for Italian material has slackened somewhat in recent months, but domestic oil continued quite active.

Lemongrass — Further increase was made in the quotation, which moved up to a position ranging from $2.20 to $2.65 per pound. The price changes have affected a number of derivatives, which also moved up in price.

Lime—Distilled oil of West Indian origin was offered at a somewhat lower price by one dealer last week. The range was between $6.25 and $7.25 per pound. Mexican oil was unchanged in price. There were fair-sized stocks and suppliers reported no trouble in filling the demand, which was smaller than was expected.

Nutmeg—One dealer offered both West Indian and East Indian oil at $3.30 per pound, but the general market trend was somewhat higher with the former ranging to $3.60 and the latter to $3.75. The East Indian material was particularly firm.

Ocotea Cymbarum—A slight increase in the minimum quotation put this item at 68c. to 90c. per pound. Those dealers handling the oil reported good supplies which were adequately meeting the demand from linoleum and wax manufacturers as well as other users.

Orange—Sweet distilled oil moved up 15c. per pound and was available at 40c. to 60c. per pound. Californian expressed oil remained firm at 75c. to $1.25 per pound, according to brand. Oil of Floridian origin was also unchanged at 60c. to $1 and Italian material showed stability at $2.90 to $5.50 per pound. A government report indicated that the total amount of citrous oils exported from the United States during May, 1950, was 218,375 pounds, at a value of $116,816. Largest buyers included Netherlands, France and Germany.

Peppermint—Some easing has been felt in this market and fair quantities were being offered at the prices established two weeks ago. According to a report compiled by a government agency, there were 33,366 pounds of this oil exported during the month of May, at a value of $196,487. Of this Netherlands accounted for the largest portion, 10,684 pounds.

Petitgrain—An increase in the minimum quotation put the price range at $2 to $2.55 per pound. As an item of South American origin, there was not much excitement on the part of buyers, who seemed to feel that it required no rush buying.

Rose—A rise of $2 per ounce in the low quotation occurred last week which left the price at $26 to $60 per ounce, as to grade. Good material was reportedly hard to come by and, according to sentiment of the trade, further increases in price might be expected in the future.

Sassafras—There was no apparent difficulty in obtaining natural oil, and the material was offered at somewhat lower prices last week, ranging from $1.95 to $2.50 per pound. There was good demand and it was easily met.

Snakeroot — Increases in replacement costs and an almost total depletion of spot stocks have resulted in a rather sharp price rise. The small quantities available were quoted between $24 and $26 per

Distinctive Perfume Specialties by Verona

These exquisite Verona perfume specialties, used as blending agents, will help to create in your fragrances that harmony which is the basis of customer appeal.

ALDEHYDE NOTE E-371A . . . heady as old wine when added to floral odors at the rate of 1% to 5%.

AMBRIENE OPOPONAX E-392 . . . a fixative with deep, rich notes.

YLANG YLANG SYNTHETIC 3582 . . . economical replacement for oils of Ylang Ylang and Cananga.

ROSE E-131 . . . a true-to-the-flower scent for creams and brilliantines. Ideal for building other compounds.

STRAWBERRY E-202 . . . gives creams, lipsticks or lotions the elusive aroma of fresh-picked strawberries.

FOUGERE 3538 . . . sweet! smooth! ultra-fine! Adds new distinction to toilet waters or powders.

A request on your Company letterhead will bring you samples for inspection.

AROMATICS DIVISION VERONA

VERONA CHEMICAL COMPANY
26 VERONA AVENUE, NEWARK 4, NEW JERSEY

ROURE-DUPONT, Inc.
ESSENTIAL OILS
AROMATIC PRODUCTS
SOLE AGENTS IN U.S.A. and CANADA FOR
ROURE BERTRAND FILS and JUSTIN DUPONT
GRASSE (A.M.) FRANCE ARGENTEUIL (S.&O.) FRANCE
General Offices: 366 MADISON AVE., N. Y.
CHICAGO BRANCH 510 North Dearborn St.
LOS ANGELES BRANCH 5517 Sunset Blvd., Hollywood

Essential Oils
Terpeneless Oils
Natural Flower Products
Perfume Compounds
Aromatic Chemicals
Flavoring Materials
UNGERER & COMPANY
161 SIXTH AVENUE · NEW YORK 13 Plant and Laboratories, TOTOWA, N. J.
CHICAGO · BOSTON · PHILADELPHIA · ST. LOUIS · LOS ANGELES · ASHEVILLE

for
perfume raw materials,
aromatic chemicals,
specialties
and compositions
of high purity,
odor perfection
and consistent
standards . . .
GIVAUDAN-DELAWANNA, INC.
330 West 42nd Street, New York 18, N. Y.

Use A NORDA ORIGINAL

Make each new product yours alone. Give it that smell of distinction. It's yours—it's unique—it's appealing—it *sells*—with A NORDA ORIGINAL.

Here's the modern fragrance you need. A NORDA ORIGINAL blends an old-favorite, lingering odor with a spicy, exciting bouquet of today. It sells your products—from bath salts to lipsticks—to women proud of their smartness.

Try A NORDA ORIGINAL now. Ask Norda—*first ever to talk sales scents*—for generous free samples today.

NORDA MAKES GOOD SCENTS

Norda ESSENTIAL OIL AND CHEMICAL COMPANY, INC.
601 West 26th Street, New York 1, N. Y.

CHICAGO • LOS ANGELES • ST. PAUL • MONTREAL • TORONTO
HAVANA • MEXICO CITY • LONDON • PARIS

pound. Dealers were awaiting the results of the distillation of new material.

Spearmint — Additional strength was added to this already strong item and prices were increased 15c. per pound. The limited quantities were offered at $3.50 to $4.50 per pound. During May, 1950, there were 5,206 pounds exported from the United States at a value of $20,142, according to government statistics.

Vetiver—After a period during which one supplier offered material at $14.25, all prices last week moved up sharply to a new minimum of $20 per pound and ranging up to $22.50. The unusually high prices have resulted in a noticeable decline in interest on the part of consumers. Observers reported that the oil was being held in very firm hands at the source and shippers were trying to hold out for still higher returns.

Wormseed—There was a rise throughout the market in the price of this item, which could be had for $4.25 to $4.75 per pound. New material was awaited and dealers were not yet ready to predict the effect it would have on the spot market.

Wormwood—One supplier was able to offer this article at $6.50 per pound, which was somewhat lower than the previous quotation. However, the majority of handlers held their prices at the top price of $7.25 per pound. This was another item which was awaiting replacements from the new crop.

Aromatic Chemicals

Citral—With the rise in the cost of raw materials, this chemical moved up to a range of $5.35 to $5.55 per pound. As lemongrass oil continues to become more expensive, this situation may be expected to hold for some time in the future.

Ionone—Alpha was increased in price by one producer to $6.75 per pound. Others held their prices steady and offers ranged up to $13.65 per pound. The price rise was the result of the strengthening of the lemongrass market.

Isoeugenol—Some firmness was shown in this item, which increased in price to $3.50 per pound as offered by one producer.

Vanillin—Heavy buying was reported and some producers were filling orders on all allocation basis. According to the trade, consumers were attempting to stock up on the item, remembering its scarcity during the war.

Anahist Assigns Hewitt

Anahist Company, Yonkers, N. Y., has appointed John S. Hewitt vice-president and general manager. He was vice-president of the Andrew Jergens Company for twelve years before joining Anahist.

Sterling Research Men To Give Papers Abroad

Dr. Maurice L. Tainter, director, and Dr. A. M. Lands, head of the pharmacological scection of the Sterling-Winthrop Research Institute, Rensselaer, N. Y., will present scientific papers at the eighteenth International Physiological Congress at Copenhagen, Denmark, August 15 to 18.

Dr. Tainter will discuss research on the sympathomimetic amines at the institute, and will analyze the means whereby these amines reduce blood pressure under experimental conditions. Dr. Lands will describe the chemistry and pharmacology of a series of nine new atropine-like derivatives synthesized at the institute.

Ortiz Changes Firm Name

Roberto Ortiz Palnos, for the past twenty-one years the Cuban representative of A. H. Wirz, Inc., Chester, Pa., has announced that his son, Roberto Ortiz Hector, is now associated with him in the business and that the firm name has been changed to Roberto Ortiz & Son. Offices are located in Havana, O'Reilly 407, department 209, Moenck and Quintana.

Trade Briefs

Helene Curtis Industries, Inc., Chicago, has appointed George M. Factor vice-president in charge of advertising.

Wildroot Company has filed plans with the city of Buffalo, N. Y., to make alterations to its building at 22 Fay street, at an estimated cost of $5,000.

Brooklyn and Long Island Toilet Goods Association will sponsor the annual showing of Christmas goods for retailers to be held in the St. George hotel, Brooklyn, N. Y., September 24 to 29.

schimmel

for
BASIC PERFUME AND FLAVOR SPECIALTIES
TO SUIT YOUR PARTICULAR NEEDS

schimmel & co., inc.
601 west 26th st., new york 1, n. y.

QUALITY

ESSENTIAL OILS
and AROMATIC CHEMICALS
with the stamp of approval

When you buy D&O Essential Oils and Aromatic Chemicals you also get with them the 151 years of experience, integrity and progress that D&O alone can give you.

D&O ESTABLISHED 1798
DODGE & OLCOTT, INC.
180 Varick Street • New York 14, N. Y.
ATLANTA • BOSTON • CHICAGO • CINCINNATI • DALLAS • LOS ANGELES • PHILADELPHIA • ST. LOUIS • SAN FRANCISCO
ESSENTIAL OILS • AROMATIC CHEMICALS • PERFUME BASES • VANILLA • FLAVOR BASES

Obituaries

Harold S. Arnold

Harold S. Arnold, technical assistant to the president of the International Nickel Company, New York, collapsed and died August 7 abroad a New Haven Railroad train. He had been associated with International Nickel since 1914 and before that was engaged in mining operations in the southwest and in Mexico.

Mr. Arnold was a member of the Mining and Metallurgical Society of America, American Society for Testing Materials, American Chemical Society, Navy Industrial Association, American Mining Congress and Mining Club of New York.

Josiah P. Harmer

Josiah P. Harmer, head of Harmer Laboratories Company, Lansdowne, Pa., died August 8 while driving his car in Delaware County. He was fifty-six years old.

Frederick E. Kowarsky

Frederick E. Kowarsky, president of the Union Chemical Corporation, Newark, N. J., died there August 1. He was fifty-two years old. Before founding Union Chemical, Mr. Kowarsky was chief chemist for Squibb & Co. and the now defunct firm of Miner, Edgar Company, Newark.

Joseph L. Martin

Joseph L. Martin, president of the Wichita River Oil Company, Wichita Falls, Tex., died in Wichita Falls, August 4. He was fifty-three years old. Mr. Martin had been associated with the company since 1927.

Henry G. Provost

Henry G. Provost, vice-president of the Rochester Germicide Company, with which he had been associated for twenty-five years, died August 8 at his home in Cleveland, Ohio. He was fifty-eight years old.

James C. Von Daacke

James C. Von Daacke, New England district manager for the Western Brass Mills division of Olin Industries, Inc., New Haven, Conn., and former vice-president of the American Brass Company, Waterbury, Conn., died in New Haven, August 8. He was fifty-six years old. Mr. Von Daacke was deputy director of the copper division of the War Production Board during the last war.

Minor H. Andrews, head of the toiletries firm bearing his name, which he founded a year ago in Chicago, died in that city August 7. He was sixty-seven years old. For thirty-three years Mr. Andrews was midwest representative of Bourjois, Inc., New York.

Lee M. Ellenstein, field sales manager for the A. C. Horn Company, a subsidiary of the Sun Chemical Corporation, Long Island City, N. Y., died in Minneapolis, August 7. He was fifty-six years old. Mr. Ellenstein had held that post for twenty years.

Charles C. Gallagher, who retired in 1935 from the sales staff of the I. Pomeroy Company, ink manufacturer, Newark, N. J., died in East Orange, August 7, at the age of eighty-eight years.

Frederick J. Grover, maintenance man with the Lehn & Fink Company, drug manufacturer, Bloomfield, N. J., died August 7. He was fifty-five years old.

Harry C. Honsberger, district sales manager for Suburban Propane Gas Company, died at his home in Dover, N. J., August 7. He was sixty years old.

Benjamin Jones, traveling sales representative of the Acorn Refining Company, Cleveland, Ohio, died unexpectedly near New Albany, Ind., August 2. He was sixty-eight years old.

Frank C. Marty, president of the General Paper Corporation, Cincinnati, died at his home in Fort Thomas, Ky., August 6. He was sixty-one years old.

Sergei Nametkin, director of the Oil Institute of the USSR Academy of Sciences, died in Moscow, August 4, according to the Soviet press.

Sodium Diacetate Data Offered

A new bulletin on "Niacet" sodium diacetate presents in detail the physical properties, latest specifications and shipping and handling information. An anhydrous grade is described for those uses where the presence of even slight amounts of water is objectionable. Copies of "Niacet Bulletin 2A" can be obtained from Niacet Chemicals Division, 966 Niagara building, Niagara Falls, N. Y.

PERFUME MATERIALS · FLAVORS

FIRMENICH & CIE

SUCCESSEURS DE

CHUIT, NAEF & CIE

GENÈVE SUISSE

FIRMENICH & CO.
250 WEST 18th STREET, NEW YORK 11, N. Y.
CHICAGO OFFICE: 612 NORTH MICHIGAN AVENUE
IN CANADA: CARAMEED, LTD., 350 WALLACE AVENUE, TORONTO

asks the professor

Sure you know an *unpleasant* taste or odor kills sales . . . but a merely *indifferent* taste or smell can be deadly too!

No matter how prosaic your product, it can be lifted to new sales heights through the *ingenious* use of perfume or flavor oils!

For example, MM&R chemists have:

- added distinctive scent to coat labels
- given a sweet scent to plastic starch
- found a "specific" for the cod liver oil odor in ointments
- perfumed a department store through its air-conditioning system

and in the flavor department . . .

- covered the taste of vitamin preparations
- given a tangy, new flavor interest to mouth wash
- added a wholly delightful taste to the glue on envelopes
- developed a "yummy" flavor for children's aspirin

Don't be satisfied with anything less than a *sales-stimulating, imaginative* odor or flavor-personality for your product! MM&R chemists have helped turn the trick for *countless* products . . . perhaps they can do as much for yours!

MAGNUS, MABEE & REYNARD, INC.
SINCE 1895 . . . ONE OF THE WORLD'S GREATEST SUPPLIERS OF ESSENTIAL OILS
16 DESBROSSES STREET, NEW YORK 13, N. Y. • 221 NORTH LA SALLE STREET, CHICAGO 1, ILL.

BUILDERS OF PRODUCT PREFERENCE
through QUALITY ESSENTIAL OILS,
PERFUMING MATERIALS, CONCENTRATED FLAVORS
and exclusive MM&R DEODOR-SCENTS
Since 1895

THINK IT OVER—then call on MM&R

LOS ANGELES: BRAUN CORP. • SEATTLE, PORTLAND, SPOKANE: VAN WATERS & ROGERS, INC. • SAN FRANCISCO: BRAUN-KNECHT-HEIMANN CO.

AROMATICS · ESSENTIAL OILS · PERFUMERS' · MATERIALS ·
SYNTOMATIC
CORPORATION
NEW YORK

AROMATICS
ESSENTIAL OILS
PERFUME OILS
FLAVORS

Confidence is based on a knowledge of an ability to perform. Let us show you why so many progressive manufacturers in the perfume and cosmetic industry say, "Be Sure with Syntomatic".

SYNTOMATIC CORPORATION
114 E. 32nd St., New York 16 · MUrray Hill 3-7618

STEARATES

CALCIUM — LEAD

ZINC — ALUMINUM

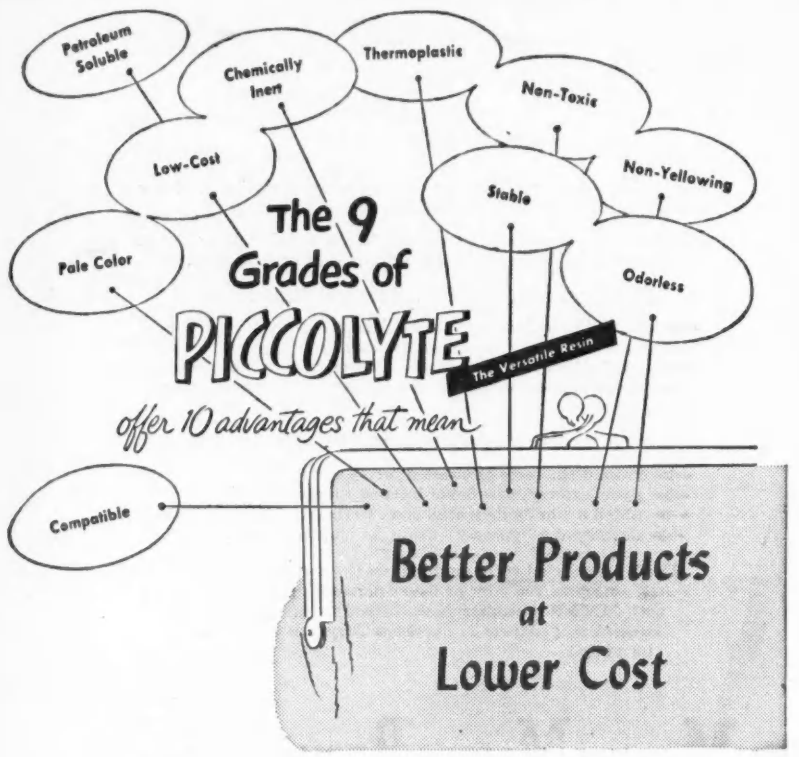
for the

PROTECTIVE COATINGS INDUSTRY

SYNTHETIC PRODUCTS CO.

Since 1917

1798 LONDON ROAD **CLEVELAND 12, OHIO**



PICCO

PENNSYLVANIA INDUSTRIAL CHEMICAL CORP.

CLAIRTON, PENNSYLVANIA

Plants at Clairton, Pa., West Elizabeth, Pa. and Chester, Pa.

Distributed by: Pennsylvania Falk Chemical Co., Pittsburgh 30, Pa. and Harwick Standard Chemical Co., Akron 5, Ohio

Piccolyte puts money in your pocketbook, because of the opportunities for cost-savings and product-improvement it provides.

Not only is Piccolyte low in cost, but it is soluble in low-cost petroleum solvents, thus presenting you with a double saving. It is pale in color and stable; it is chemically inert, non-toxic and compatible with other resins and ingredients.

We will be glad to send you full information on this remarkable synthetic resin, and free samples. Please state the nature of your application, so that we can send a suitable grade.

Protective Coatings Materials

Domestic casein moved upwards again last week but imported was down. All grades of shellac were on the upswing once more. Zinc yellow went up with some producers but in other quarters it was without change.

Earth colors were holding to their previous position. There was some trouble in obtaining siennas from Italy, however. With lead and zinc metals unchanged, there were no revisions in the oxides. Lithopone was still in greater demand than supply, but prices were still holding on the ordinary and titanated. There was no change in titanium dioxide. Yellow ocher was without feature except that expecting a possible increase in demand for olive drab, buyers were inquiring about its position.

There was a difference of opinion on the market for synthetic resins. In one direction it was said that demand was slow, while others found it brisk. Shellac was in better call, and not all of this was attributed to scare buying. Phthalates were still in a period of fluctuation. Argentine casein was down and the thought was that sellers at the source thought the market had been getting a little out of hand lately. Lecithin was in a tight position. Stearates were still unchanged.

Market Trends

Prices Advanced

Casein, domestic, standard, 3c. per lb. premium, 2½c. per lb.
Rosin, gum, Savannah, F, 73c. per 100 lbs.
G, 42c. per 100 lbs.
H, 19c. per 100 lbs.
I, K, M, 20c. per 100 lbs.
N, WG, 19c. per 100 lbs.
WW, X, 12c. per 100 lbs.
Shellac, bleached, bone-dry, refined, 2c. per lb.
Lemon, No. 1., No. 2, superfine, TN, 1c. per lb.
Turpentine, Savannah, 2½c. per gal.

Prices Reduced

Casein, imported, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
176.4	176.4	175.5	196.4	208.6

(For Current Prices see Page 9)

Prime Pigments

Earth Colors—Prices were reported to be holding all around during the past week. Demand was at very good levels and in general the supply was satisfactory. An exception, however, was in the siennas imported from Italy. Sources in that country were said to be still working in fits and starts and importers were having trouble getting their orders on time. The quality, it was said, was not always reliable.

Lead Pigments — The metal was in a strong market last week but held unchanged as to price and the pigments likewise were without change. Demand held at good levels.

Lithopone—Both the ordinary and the titanated were unchanged as to price during the past week. Demand for both grades was still greater than the supply. The ordinary was going for 6½c. in carloads and 7¼c. to 7½c. in less than carloads, while the titanated was worth 8½c. in carloads and 9½c. in less than carloads.

Titanium Dioxide — There was no real change in the market for this material during the week. Demand continued to be noted at strong levels, while the supply was insufficient to meet it. Prices were still holding at the levels established some time ago.

Yellow, Ocher — American golden was holding at the previously established level of 1¼c. to 2¾c. per pound. There was only a small demand and the supply was adequate to meet it. However, with general military buying taking place in numerous lines, there were in recent weeks more inquiries concerning this item because of its place in olive drab.

Yellow, Zinc—Some producers advanced their price 5c. a pound during the week, but others were still holding at the previous figure of 21c. Supplies were said to be reasonably good but there was some difference of opinion as to demand. Some stated that it was heavy at this time while others called it moderate. Military demand for marine use, it was said, would boost the demand.

Zinc Oxide—No changes in price were reported during the period under review. The metal was without change, but continued in a strong market.

Synthetic Resins

Synthetic Resins — Some difference of opinion existed last week regarding the condition of the market for these materials. One maker of alkyds, phenolics, maleics and modified phenolics said all were in slow demand and supply was sufficient, with the price structure firm.

A maker of vinyl resins, polystyrene and phenolics stated that demand was good and supply was tight. It was not known what would happen to prices because of the condition of the market. This maker said, however, that there seemed to be very little scare buying.

Demand was so strong that the company was swamped and could not take any more orders for immediate delivery, it was said by a maker of urea-formaldehyde, melamines, alkyds, phenolics and maleics. This maker attributed the condition to a general increase in business and to a desire on the part of buyers to fill inventories out of fear of future availability and price rises. This producer made several price adjustments last week.

Natural Resins

Shellac—Bleached bonedry and refined were 2c. higher during the past week. Lemon No. 1, No. 2, superfine and TN were each 1c. higher. Demand was good. There was a considerable pickup in call when the Korean situation broke, but since then it has continued and it was said that a great deal of it was not scare buying. Consumers said they had the business at hand and could use the material. Supply here was ample for the needs of the market and the stocks in India were reported to be sufficient.

Prices established last week:—bleached, bonedry, in bags, 51½c.; in barrels, 52c. and in kegs, 54c.; refined, in bags, 61½c.; in barrels, 62c. and in kegs, 64c. Lemon No. 1 was going for 48c. to 49c., while the No. 2 was bringing 46c. to 47c. Superfine was worth 44c. to 45c. and TN was at 42c. to 43c.

Lacquer Materials

Phthalates — The various phthalates were still in an unsettled condition as to price last week. Further changes were announced during the period and others appeared on the way. Prices obtained at the end of the week are to be found in the prices current section. Demand remained good and supply on the tight side. Phthalic anhydride was showing more strength and was set to advance with at least one producer the beginning of next month.

Tricresyl Phosphate—One maker announced that effective today it was advancing the price on a tankcar basis by 2¼c. The advance was brought about by higher costs of cresylic acid and phosphorous oxychloride.

Naval Stores

Pine Gum — Prices received by producers for crude pine gum delivered to

Paint, Varnish, Lacquer Sales: June

The value of sales of paint, varnish, lacquer and fillers in June, 1950, as reported by 680 establishments to the Bureau of Census, was $108,817,489. These establishments accounted for approximately 90 percent of the total value of the output of the industry as reported in the Census of Manufacturers for 1939. Included are data on sales of water-thinned paints and nitrocellulose lacquers, which formerly were published separately but have since been discontinued. Details of sales reported with comparative data for 1949 follow:—

	Total sales reported by 680 establishments	Classified sales reported by 580 establishments			Unclassified sales reported by 100 establishments
		Trade-sales of paint, varnish, and lacquer	Industrial sales		
			Total	Paint and varnish	Lacquer
1950—June	$108,817,489	$81,833,157	$36,706,161	$27,175,202	$9,532,959	$10,276,171
Total, 6 months	533,647,211	294,051,170	189,897,261	140,217,933	49,679,328	49,698,760
1949—June	88,505,778	50,534,830	29,052,100	21,916,883	7,135,217	8,918,848
Total, 6 months	494,685,807	277,153,675	169,543,296	128,217,643	41,325,653	47,988,836

For Late Market Developments, See Page 4

processing plants during the week ended Aug. 5 averaged $20.16 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with an average price of $19.41 for the previous week.

The nineteen reporting plants received 26,390 barrels, compared with 1,344 barrels for these same plants a week earlier. The contents per barrel averaged 11.54 gallons of turpentine and 299.5 pounds of rosin. The gum was graded 57 percent WW, 14 percent WG, 10 percent N, 10 percent M, and 9 percent K and below.

The record of the gum naval stores markets during the week ended August 11 was as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday
B	$4.10	$.410	$4.10	$4.10	$4.10	$6.50 $7.25
D	4.25	4.25	4.25	4.25	4.25	6.50 7.25
E	4.75	4.75	4.75	4.75	4.75	7.20 7.95
F	5.07	5.07	5.07	5.80	5.80	7.20 7.95
G	5.69	5.69	5.69	6.11	6.11	7.20 7.95
H	5.92	5.92	5.92	6.11	6.11	7.20 7.95
I	5.92	5.92	5.92	6.11	6.12	7.20 7.95
K	5.92	5.92	5.92	6.11	6.12	7.20 7.95
M	5.92	5.92	5.92	6.11	6.12	7.20 7.95
N	5.93	5.93	5.93	6.11	6.12	7.20 7.95
WG	5.93	5.93	5.93	6.11	6.12	7.40 8.15
WW	6.00	6.00	6.00	6.11	6.12	7.55 8.30
X	6.00	6.00	6.00	6.11	6.12	7.55 8.30

Drums

Sales				330	150
Receipts	761	311	438	1,204	1,146
Shipments	3,150				
Stocks	34,529	34,840	35,278	36,482	37,628

Gum Turpentine

Drums

Savannah Exchange—Bulk

	Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday
Per gal.	.45	45¼	45¼	45¼	.45¼	.53 .62
Sales, bbls.	160	160	...	160	...	
Receipts, bbls.	779	165	398	574	1,072	
Shipments, bbls.	1,796	127	200	178	194	
Stocks, bbls.	4,487	4,500	4,698	5,094	5,972	

Miscellaneous Materials

Casein—Domestic standard was up 3c. a pound to a range of 32c. to 33c. Domestic premium was up 2½c. on the low of the range to a figure of 29c., while the high of the range advanced 4½c. to 37c. Argentine material showed a decrease, for the first time in many weeks. Last week's price was 33c., exdock, while during the previous period it was 35c. The imported rennet-precipitated held unchanged at 36c. to 37c.

The market in general was not so excited as it had been. The speculation that had been going on in Argentina had fallen off. Prices there had gone pretty high and it was thought that the industry probably frightened itself with the sudden climb, and decided to start taking it a bit easy before the price structure got out of hand. One seller of domestic said last week that the call was still good, but not so heavy. Inventories seemed to be pretty well covered and with prices high, buyers were not eager to overpurchase. This source, while hesitating to predict the future demands, said it could cover the present call. Another source said it had no heavy influx of orders but was still limiting new customers to one ton. Old customers could get what they needed but it was said none seemed to be stockpiling.

Production and stocks of dry casein for June were higher than in May and the highest for the month in several years, according to a recent report from the Bureau of Agricultural Economics. But, in spite of increased supplies, prices rose considerably during late July. Dry casein production for June is estimated at 2,700,000 pounds, up twelve percent for May, and four percent from a year earlier, but down sixteen percent from the five-year June average. During the first half of 1950, output totaled 12,110,000 pounds, a decline of nine percent from the first six months of 1949, but a gain of five percent from the first half average for the years 1944-48. Manufacturers' stocks of dry casein totaled 3,820,000 pounds on June 30, the sharpest seasonal gain during the month since 1945. Stocks were up twenty-three percent from a year earlier, but were down eighteen percent from the five-year June 30 average. Holdings at the end of June were the highest for the date since 1946. On the same date in previous years they have ranged from a low of 2,950,000 pounds in 1947 to a high of 14,741,000 pounds in 1942.

Glue—Prices were unchanged during the period although the market was still in a firm position. Demand for the bone grade was said to be slowing up somewhat from the peak that was reached two or three weeks ago. It was thought that several weeks ago consumers bought all they could use and now have more than enough for their present needs. If the buying rate shows another pickup the first of September, the opinion was that this would indicate a permanent higher demand. Supplies were still somewhat on the tight side, but were a bit easier

HIGH— CHEMICALS —QUALITY

ANHYDROUS ALUMINUM CHLORIDE
Technical and Sublimed Grades

PARTICLE SIZES
Powder: —20 mesh Granular: —4 +20 mesh Lump: —1 +4 mesh
Special Mesh Sizes May Be Had to Order

	SUBLIMED GRADE	TECHNICAL GRADE
COLOR	White	Lt. Yellow to Gray
SUBLIMATION	Min. 99% granular or lump Min. 98½% powder	Min. 99% granular or lump Min. 98½% powder
WATER INSOLUBLE	None	None
HEAVY METALS	None	None
IRON CONTENT	Max. 0.01%	Max. 0.025%

Write for More Complete Information

OHIO APEX INC. NITRO, W.VA. — OHIO-APEX, INC. MANUFACTURERS OF PLASTICIZERS & CHEMICALS NITRO.....WEST VIRGINIA

LOW cost per gallon when buying light gauge nested drums in sets of threes. Saves freight, economical, easy to handle. For packaging tar, asphalt, resins and pitch.
Also can furnish friction top drums for chemicals.

COLUMBIA CAN CO., INC.
EXECUTIVE OFFICE
Brooklyn 27, N. Y.
315 Wyckoff Avenue
Telephone: HEgeman 3-1571
SHIPMENTS FROM OHIO, PITTSBURGH, NEW YORK AND ILLINOIS

Offering 2 Tank Cars
VIRGIN DIMETHYL PHTHALATE
Below Market
•
American Coating Chemicals Co.
PEABODY, MASS.

MANUFACTURERS OF
ALUMINUM POWDER
FLAKE AND GRAIN FORM FOR ALL PURPOSES
READE MANUFACTURING CO., INC.
Main Office: JERSEY CITY 2, N. J • Tel.: Journal Square 2-3012 • Works: LAKEHURST, N. J.

SUPERLITH LX
DOUBLE STRENGTH LITHOPONE
60% Zinc Sulphide
C. J. OSBORN CO. Established 1889 132 Nassau Street, NEW YORK 7

ALBATOL
ALBATOL 300
USES: Kettle blending
Core Oils
Caulking compounds
LIGHT COLORED PENTAERYTHRITOL ESTERS OF TALL OIL
ALBATOL 600
USES: Kettle blends
Linoleum
Printing inks
ALBATOL MALEIC—MODIFIED 3480
USES: As a finished varnish and vehicle
Excellent drying properties
Manufactured and Sold by
The Albemarle Paper Manufacturing Co., Richmond, Virginia

DUREZ RESINS
- favorites for long-lasting excellent leafing
ALUMINUM PAINTS

Three years of exposure on our Durez Phenol Plant tanks have had no apparent effect on the films of this aluminum paint, made with a Durez resin in a 40-gallon length tung oil vehicle.

THE POPULARITY of aluminum paints continues to grow, and this popularity is due in no small part to properties that are insured by the use of Durez resins.

COLD CUT ALUMINUMS. For many years, the most universally used resin for cold cut aluminum paints has been a Durez terpene phenolic. This resin makes it possible to produce ready-mixed aluminums without cooking the vehicle. Because of its solubility characteristics, this resin can be dissolved readily in coal tar or petroleum solvents, and such solutions blend perfectly with all types of drying oils, including those of high viscosity.

THESE VEHICLES made by the cold-cut method are lower in acidity than identical vehicles cooked at high temperature. They produce aluminum paints that dry rapidly with excellent initial leafing, leaf retention on aging, and durability. Stability in the can is also very good.

HEAT-RESISTANT ALUMINUMS made with this resin have withstood 630° F. for eight hours. Heat burns out the binder and seems to fuse the aluminum to the metal.

YOU SELECT the oil length to suit the base. Formulations for interior and heat-resistant (15-gallon length), for metal and masonry (40-gallon length), and for exterior wood (60-gallon length) finishes are available with this resin in the cold-cut method.

COOKED ALUMINUM VEHICLE. The tanks illustrated are painted with aluminum paint using a Durez pure phenolic resin in a 40-gallon length tung oil vehicle. Excellent leafing and durability of the paint make this type of vehicle useful for applications requiring resistance to fume-laden atmospheres as well as to weathering. It is in every way suitable for use in ready-mixed aluminums. This particular formulation also produces an excellent spar varnish or a vehicle for pigmentation in marine primers.

SAMPLES of these resins and copies of the formulations referred to will be sent promptly on receipt of your request. Please address Durez Plastics & Chemicals, Inc., 38 Walck Rd., N. Tonawanda, N. Y.

DUREZ PHENOLIC RESINS THAT FIT THE JOB

Mallinckrodt®
STEARATES
STANDARDIZED AND CUSTOM-MADE
ALUMINUM
BARIUM
CALCIUM
MAGNESIUM
STRONTIUM
ZINC
An outstanding line of Stearates—over 20 grades and types. Top quality in any quantity. Samples on request.
MALLINCKRODT CHEMICAL WORKS
Mallinckrodt St., St. Louis 7, Mo. / 72 Gold St., New York 8, N. Y.
CHICAGO / CINCINNATI / CLEVELAND / LOS ANGELES / MONTREAL / PHILADELPHIA / SAN FRANCISCO
Manufacturers of Medicinal, Photographic, Analytical and Industrial Fine Chemicals

PLYMOUTH
PLYMOUTH STEARATES
ALUMINUM — ZINC — CALCIUM — MAGNESIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY
DISTRIBUTORS: THOMPSON-HAYWARD CHEMICAL CO., KANSAS CITY, MO., AND BRANCHES

U·S·S STEEL
PAILS

■ Available in capacities from 2½ gal. to 6½ gal.
■ Furnished with lithographed heads or shells, or with baked enamel finish in any color combination.
■ Wide variety of pouring spouts, openings, or with plain lids.
"It's Better to Ship in Steel"
U·S·S STEEL DRUMS *also available:*
STAINLESS · PAINTED · DECORATED · GALVANIZED · TINNED
UNITED STATES STEEL PRODUCTS COMPANY
30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
Los Angeles and Alameda, Calif. · Beaumont and Port Arthur, Texas · Chicago, Ill.
New Orleans, La. · Sharon, Pa.
UNITED STATES STEEL

than they were several weeks ago when the buying was at its highest point.

Lecithin — Supply was reported to be very pinched last week and how long prices would hold was hard to say. Since the soybean crop was at its end and a new one will not be due until the end of September, the demand at the present time exceeded the production. Normally, the demand is heavy at this time of year in relationship to the supply, but higher fats and oils and hostilities in Korea have all had a bearing on the market.

Prices as of last week:—edible, technical, bleached, 15½c. in carloads and 16½c. in less than carloads; unbleached, 14½c. in carloads and 15½c. in less than carloads.

Stearates — Although there have been no additional increases in stearic acid, the material continued in a very strong position during the past week. The stearates, which normally reflect changes in the acid, were still holding at former levels, although it was not thought unlikely that they might follow suit. However, there is generally some time lag following an advance in the acid. Demand was at normal levels and no scare buying was apparent. Stocks were sufficient for the needs of the market.

Monsanto Expands Plastics Research Division Staff

Eli Perry and Dr. Robert J. Schatz have been appointed assistant directors of research at Monsanto Chemical Company's plastics division, it was announced August 1 by Harold W. Mohrman, director of research. At the same time, Mr. Mohrman announced the appointments of Robert W. Jones, Stuart H. Rider, and Roland J. Bourke as group leaders in the Research Department.

Mr. Perry, who has been a member of the research staff since his graduation from the University of Pennsylvania in 1942, was one of the first Monsanto employees to be selected under the company's program providing academic leaves of absence with full pay. He studied graduate chemical engineering at the Massachusetts Institute of Technology, where he received his M.S. degree in 1947.

Dr. Schatz joined Monsanto as a research chemist in 1942. He was employed by the plastics division in 1946, after several years of service in the navy. Mr. Rider also received an academic leave of absence. He has just returned from the University of Illinois, where he received an M.S. degree in chemistry. Mr. Stuart has been with the plastics division since 1944. Mr. Bourke joined Monsanto's research department in 1946, following service in the army.

ACS Paint Technicians Set Meeting for Sept. 3

The paint, varnish and plastics division of the American Chemical Society has scheduled its fall meeting from September 3 to 8 in Chicago. The technical program includes a symposium on "Phenolic Resin Chemistry" under the direction of H. F. Wakefield on September 5. General papers on paint and varnish will be heard on September 6. General papers on plastics will be presented on September 7.

A dinner meeting will be held on the evening of September 6 at the Furniture Club of America, sponsored jointly by the Chicago section of the ACS and the Chicago Paint and Varnish Production Club. Dr. Roy H. Kienle, guest speaker at the meeting, will discuss technical problems of interest to paint and plastic chemists.

N.Y. Paint Club Better Business Committee Named

Harry C. Soffer, president of the New York Paint, Varnish and Lacquer Association, has announced the formation of a better business practices committee. Aimed at preserving high ethical standards in the industry, the new committee is headed by Leo Silverstein, of Benjamin Moore & Co.

Other members are:—James H. Abraham, Clover Leaf Paint & Varnish Corporation; C. W. Brown, Pratt & Lambert, Inc.; O. J. S. deBrun, The Egyptian Lacquer Manufacturing Company, and Michael J. Merkin, M. J. Merkin Paint Company.

Detroit Paint Club Golf Outing Set for Tomorrow

Detroit Paint, Varnish and Lacquer Association will hold its third golf outing of the season August 15 at the Lochmoor Country Club. Members of the Cleveland Paint, Varnish and Lacquer Association will be guests of the Detroit group. Tee-off time is scheduled at 1 p.m., while dinner will be served at 7 p.m. The next Detroit outing will be held on September 19 at the Meadowbrook Country Club.

Central Paint & Varnish Names Lauren Industrial Representative

Central Paint & Varnish Works, Inc., Brooklyn, N. Y., has appointed Joseph J. Lauren industrial representative. Formerly connected with Speed Products, Barclay Manufacturing Company and General Development Laboratories, Mr. Lauren has had wide experience in the testing of organic and inorganic surface coatings.

Trade Briefs

Tremco Manufacturing Company, Cleveland, Ohio, has let contracts for a new plant at Leaside, Ontario, Can., replacing their present plant on that site erected in 1931.

C. Lyndon Bruno, general traffic manager of Spencer Kellogg & Sons, Inc., Buffalo, N. Y., has been appointed chairman of the freight transportation committee of the Buffalo Chamber of Commerce.

Oils, Fats and Waxes

This market continued in a strong position and prices were higher, advancing the index 2.1 points.

Trading in old crop vegetable oils was restricted by the scarcity of offers for nearby delivery. Peanut oil was lifted 1 cent per pound, corn and cottonseed oils were unchanged, but firm. Soybean oil closed stronger.

Coconut oil was stronger and advanced fractionally with higher copra. Edible olive oil was scarce on the spot and sales took place at an increase of 15 cents per gallon. Reports from Spain stated that shipments would be resumed soon, presumably at higher prices according to the trade. Olive foots also were scarce and stocks on the spot and for prompt delivery and lifted about 1 cent per pound, reflecting the recent advance of red oil. Palm oil was raised fractionally due to increased cost of replacements. Rapeseed oil was in scanty supply and was lifted 1 cent per pound.

Crude sardine oil was easier and sold off fractionally for forward delivery, while refined fish oils were steady and unchanged.

All grades of greases and tallow were reduced fractionally due to lack of domestic and export demand.

Vegetable waxes continued to advance, especially carnauba and beeswax, due to the scarcity and higher cost of shipments from primary centers and active consuming demand.

Cottonseed Oil

Active trading continued to feature bleachable cottonseed futures last week, and price trend was upward. The bullish government cotton crop report of 10,308,000 bales brought out heavy buying and short covering resulting in new season's high for September and new highs for this move for deferred months. Profit taking trimmed advances later, but the market maintained substantial gains for the week.

Crude cottonseed oil was irregular and closed unchanged at 17c. per pound, tankcars, f.o.b. mills in the Valley and at 16¾c. in Texas, following trading at ½c. more.

Department of Agriculture forecast the cotton crop as of August 1 at 10,308,000 bales, 36 percent below the last year's production and 11 percent less than the 1939-48 average of 11,599,000 bales. The reduced crop is the result of heavy weevil damage and a cut of 31 percent in the acreage compared with 1949. The report gave no estimate of cottonseed output, but stated that if the ratio of lint to cottonseed follows the average of the past five years, production would be 4,185,000 tons, against 6,613,000 tons in 1949 and 10-year average of 4,731,000 tons.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended August 11 follow:—

	Sales	Cents per pound—High	Low	Close
September	392	20.10	17.91	19.05@19.10
October	194	19.00	17.25	17.80@17.95
December	933	18.90	17.00	17.82—17.80S
March	635	18.85	17.03	17.78S
May	623	18.90	17.05	17.79S
July	6	18.55	17.65	17.65S

Total sales, 2,783 tankcars, including switches.

Memphis.—Crude cottonseed oil sold at 17¼c. per pound, tankcars, f.o.b. mills, prompt shipment; 17c., September, and 16c. October. Crude soybean oil sales at 13½c. tankcars, prompt; 13¼c. September and 12c. October. Old crop cottonseed meal 41 percent about exhausted. Few lots sold at $78.50 per ton, sacked, Memphis and September shipment quoted at $75; October, $70, and November-December, $68. Cake slabs quoted at $73 per ton, bulk, Valley, August shipment. Cottonseed hulls, $8 to $10 per ton, bulk, mills September-October.

Linseed Oil

Trading was restricted to immediate requirements. Market was quotably unchanged and steady. Raw oil was quoted at 17.60c. per pound, tankcars, zone 3, August delivery. First half September was held at 16.60c. tankcars; second half, 16.30c. and October, 15.80c., same basis.

Government crop report as of August 1 forecast flaxseed production of 30,695,000 bushels, and yield per acre at 8.2 bushels compared with last year's final of 43,664,000 bushels and 10-year average of 34,752,000 bushels.

Minneapolis.—Demand for linseed oil was very good last week. Market was steady. Old-crop raw oil was quoted at 16.7c. per pound, tankcars, zone 1; at 16c. for first half of September and 15.7c. last half of September. October-December deliveries held at 15.2c.

Shipments of linseed oil from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	10,560,000	8,400,000
Since Sept. 1	411,920,000	361,478,000

Flaxseed—Trading fairly active to arrive. Market ruled steady.

Minneapolis.—Over 300 cars of flaxseed were sold on a "to arrive" basis late in the week. Most of these sales were at $3.70 for August delivery, but some sold at $3.65 and a few hit $3.80. After these heavy "to arrive" sales, the bids dropped to $3.65 for August and $3.60 for September delivery. Spot flax was still quoted at $3.70.

Receipts and shipments of flaxseed last week, in bushels, were as follows:—

	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
Bushels—				
This week	142,800	1,485,800	3,400	40,800
Since Sept. 1	22,066,900	34,918,100	4,847,500	8,411,500

Other Vegetable Oils

Castor Dehydrated—Demand continued active. Market was firm at the recent advance of ¾c. per pound for all grades.

Coconut—Higher cost of copra stiffened crude oil and quotations were lifted ½c. to 16½c. per pound, tankcars, f.o.b. Pacific coast, August shipment; 16¼c. September and 16c. October. Trading was fairly active before the advance.

Copra—Prices were unsettled but scored net gain of $2.50. Shipments were quoted at $207.50 short ton, c.i.f. Pacific coast. Offers for shipment were limited.

Corn—Scarcity of offerings and firmer competing oils kept this market strong. Crude oil was sold at 17¼c. per pound, tankcars, f.o.b. mills. Refined oil was more or less nominal at 22c. per pound, tankcars, New York basis.

Olive—Edible oil was scarce on spot and in firm hands. Prices were higher, with trading reported at $2.90 to $3 per gallon, drums, duty paid, on spot, as to quantity. Reports from Spain stated that shipments would be resumed soon and firm obligations on previous contracts would be respected. No mention was made as to the price of new offers for shipment. Olive foots were stronger and advanced to 14½c. to 15½c. per pound, drums, as to quantity, spot and prompt delivery.

Palm—Increased cost of replacements advanced the price of spot stocks to 14c. per pound, drums. Tankcars for December delivery were quoted at 12.70c. per pound, New York basis.

Peanut—This market reflected the advance of competing oils and was lifted 1c. Crude oil was sold at 20c. per pound, tankcars, f.o.b. mills. Refined oil was scarce and nominal at 24c. per pound, tankcars, New York delivery. Offers were scarce.

Production and Marketing Administration announced support prices for 1950 crop farmers quota peanuts at 10.8c. per pound, or about $216 per ton, based upon 90 percent of parity. Last year's crop was supported at 10.5c. per pound or $210 per ton. Support prices for peanuts containing less than 2 percent damage and less than 4 percent foreign material are:—$214 per ton for Spanish and Valencias east of the Mississippi River; $209, west of the Mississippi River; $207 for Virginias and $190 for Runners.

Soybean—This market backed and filled with fluctuations in soybeans. Prices were advanced ¼c. Crude oil was quoted at 13¾c. per pound, tankcars, f.o.b. mills, August shipment. September was nominal at 13½c. and October-December, 12¼c. Trading was moderate. Refined oil remained steady and nominal at 18c. per pound, tankcars, New York delivery.

Government report as of August 1 indicated a record crop of soybeans of 270,-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Beeswax, 2c. per lb.
Carnauba wax, 5c. per lb.
No. 1 yellow, 6c. per lb.
Coconut oil, ½c. per lb.
Cod oil, 1c. per lb.
Copra, $2.50 per ton.
Olive oil, edible, 15c. per gallon.
foots, 1c. per lb.
Palm oil, ¼c. per lb.
Peanut oil, 1c. per lb.
Rapeseed oil, 1c. per lb.
Soybean oil, ¼c. per lb.

Prices Reduced

Greases, ¼c.-½c. per lb.
Sardine oil, crude, ¼c. per lb.
Tallow, ¼c.-½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 12, 1949
145.8	143.7	124.8	111.3	123.4

(For Current Prices see Page 9)

GEORGE A. MIEL CO., INC.

Custom Wax Blending

Drumming Bleaching **WAXES** Barrelling Refining

P. O. Box 263, Foot of Page Ave., Lyndhurst, N. J.
RUtherford 2-7985

Plants: Charlotte, N. C., Cincinnati, Ohio, Dighton, Mass.

Product	Use	Description
RED OILS	Soaps, Lubricants, Softeners. Cutting, Flotation & Quenching Oils. Pigment dispersion. Textile Oils.	Single or double pressed. 98% saponifiable matter guaranteed. *Low titre.*
AHCOLEIN 810	Wherever highest quality red oil is required. Soaps, creams, emulsions, textiles, etc.	Distilled red oil. Almost colorless. F.F.A. 98-100%. Meets or exceeds U.S.P. specifications.
FATTY ACID ESTERS	Plasticizers and lubricants.	Low volatility and acidity; mild odor; improved heat stability.
TRIPLE PRESSED STEARIC ACID	Ester manufacturing, Emulsifying agent for Greases, Rubber, Paints, Pharmaceuticals, etc.	Saponified; in spray or slab form. Low iodine value.
METALLIC STEARATES	Petroleum Greases, Inks, Paints, Varnish, Lacquers, Rubber, Plastics, etc.	Aluminum, Zinc, Calcium, Magnesium and Barium.
GLYCERINE	Textiles, Rubber, Glues, Paper, etc.	88% saponification crude.

For samples and research bulletins, contact your nearest AHCO office

ARNOLD-HOFFMAN

PROVIDENCE, RHODE ISLAND

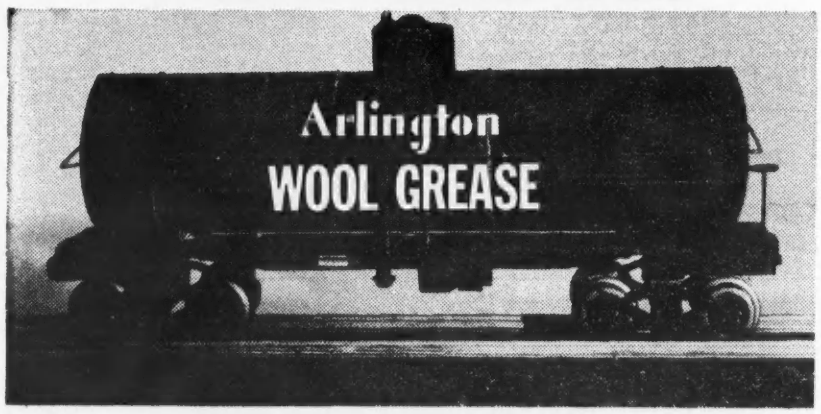
Arnold, Hoffman & Co. Incorporated • Est. 1815 • Providence, Rhode Island

Offices: Charlotte; Cincinnati; New York; Philadelphia; Providence

MALMSTROM VINCO WOOL FAT—LANOLIN
FOR IMMEDIATE DELIVERY:
COMMON DEGRAS
N. I. MALMSTROM & CO.
TANK CARS, CARLOADS, LESS THAN CARLOADS
147 LOMBARDY ST., BROOKLYN 22, N. Y. 612 N. MICHIGAN AVE. CHICAGO 11, ILL.

RUFERT NICKEL CATALYST FLAKES*
For Hydrogenation of Edible and Inedible Oils
Descriptive Literature Available
RUFERT CHEMICAL COMPANY SEYMOUR, CONNECTICUT
* Patented Phone Seymour 2504

Since 1896
the source of supply of
WOOL GREASE
from
DRUMS *to* TANK CARS



Whitman PRODUCTS
WILLIAM Whitman COMPANY, INC.
ARLINGTON DIVISION
261 Fifth Avenue, New York
Telephone: ORegon 9-1000

701,000 bushels, compared with last year's production of 222,305,000 bushels and 10-year average of 164,491,000 bushels.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended August 11 follow:—

	Sales	Cents per pound High	Low	Close
August	4	13.60	13.35	13.30@13.75
September	21	13.75	13.14	13.30@13.40
October	46	12.50	11.70	12.20S
November	8	12.15	11.80	11.95@12.10
December	61	12.30	11.65	12.00S
January	..	...	...	11.92@12.00
March	14	12.25	11.60	11.92@11.99
May	7	12.25	11.95	11.90@12.05
July	..	...	...	11.75@12.00

Total sales, 161 tankcars and switches.

Tung—Firm conditions featured this market. Offerings were scarce and well held for all positions. Trading was light and spotty. Tankcars were quoted at 25¼c. to 25½c. per pound, tankcars, New York for August and September and at 25c. to 25¼c. for October forward.

Fats and Greases

Greases—Business was reported slow for both domestic and export delivery. All grades declined ¼c. to ½c. per pound. Export inquiry was fairly active, but trading was light and spotty.

Lard—Prices were easier and off fractionally. Business was quiet. Export inquiry was less active. Pure refined lard was quoted at 17¼c. to 17½c. per pound, containers, f.a.s. Cash lard was quoted at 14⅞c. per pound, tierces, Chicago.

Tallow — There was little activity last week as exporters displayed less interest. Trading was light and exporters made purchases at normal premiums. All grades from No. 1, and lower were reduced ¼c. to ½c. per pound.

Animal Oils

Consuming demand kept up in good volume. Grease oils were in steady request and well held at former prices. Oleo oil was scarce and firmer with market entirely nominal at 17½c. per pound, tierces, New York delivery. Neatsfoot and tallow oils remained firm at the recent advance.

Fish Oils

Cod—Limited offerings for shipment kept the market strong. Prices were entirely nominal for tanked oil at 10c. per pound, drums, New York delivery.

Fish Oils—Crude sardine oil was quiet and the market was nominal at 8¾c. per pound, tankcars, f.o.b. Pacific coast. Crude menhaden oil was inactive and also nominal at 10c. per pound, tankcars, Baltimore. Refined grades were unchanged and steady. Production of fish oils, exclusive of liver oils, in June totaled 2,417,739 gallons, compared with 1,791,790 gallons during June, 1949. During the first six months of 1950, the production amounted to 3,749,133 gallons, against 2,821,466 gallons for the same period last year.

Los Angeles.—Sardine oil was held at 8.75c. per pound tankcars in the Monterey Bay area. A few cars were sold at San Pedro at 9c. per pound, and later at 8.75c. per pound.

Agreement was reached between the boat owners and canners in San Francisco to pay $35 per ton for pilchard landings. Fishing operations began August 7 with an estimated 700 tons landed through August 9. The fish were reported of poor quality. There has been no settlement in the Monterey Bay area although a few unaffiliated craft are making deliveries to plants north of Monterey.

Fatty Acids

Vegetable fatty acids were in good request at unchanged quotations. Higher cost of coconut oil has stiffened fatty acid grades, though prices were without change. Red oil and stearic acid were in steady demand at current levels.

Cake and Meal

Cottonseed Meal—This market had weakened considerably until the government crop estimate of 10,308,000 bales strengthened futures, although the demand for meal was light. Forty-one percent sacked was quoted at $72 per ton Texas and at $81 Memphis, immediate shipment. Forty-one percent loose slab cake was held at $66 Mississippi Valley for September shipment. Sacked meal in the Southeast was scarce, with 41 percent quoted at $78.50 and 36 percent at $72 for August shipment, f.o.b. mills, southeast.

Linseed Meal—Business reported slow. Liberal offerings unsettled market.

Minneapolis.—Weakness continued to prevail in the linseed meal market last week. Trading was light, and there was a slight decline in

—*Continued on page 78*

For the LEATHER & PAINT INDUSTRY
COD OIL
ALL FISHOILS
FATTY ACIDS
SCANDINAVIAN OIL CO., INC.
104 Front Street, New York 5, N. Y.
WHitehall 4-0722

CARNAUBA & CANDELILLA
HIGH M.P. SUBSTITUTE
BEES & JAPAN WAX
ORANGE BLEACHED SHELLAC
WM. DIEHL & CO.
332 W. 42nd St., N. Y. 18, BR 9-5211

For Domestic and Export
COTTONSEED MEAL AND CAKE
PEANUT MEAL-SOYABEAN MEAL
Export Codes: ABC 5th, BENTLEY'S JUNIOR PEERLESS
Cable Address: BRODE
Phones: L. D. 271 – L. D. 547
Teletype No. ME-260
THE BRODE CORPORATION
P. O. Box 700 1012 Falls Building
MEMPHIS, TENNESSEE

industrial CHEMICAL SALES
division west virginia pulp and paper company
TALLENE
Tall Oil Pitch
TALLENE is the undistilled portion obtained in the vacuum distillation of tall oil. At room temperatures, it is a solid brown material, but softens at temperatures of 90—100°F and becomes fluid at higher temperatures. Because of its tack, TALLENE is useful in adhesives. It is also of value as a plasticizer and is finding increasing use in soaps, emulsifiers, dispersing agents, paper sizing, paints and as a source for sterols.
SALES OFFICES
New York Central Bldg. 230 Park Avenue New York 17, N. Y.
Pure Oil Bldg. 35 E. Wacker Drive Chicago 1, Illinois
Lincoln-Liberty Bldg. Broad & Chestnut Sts. Philadelphia 7, Pa.
Leader Bldg. 526 Superior Ave., N.W. Cleveland 14, Ohio

Uses and Applications of Chemicals

("Where You Can Sell")

Fully Protected by Copyright

Betaphenylethylamine

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Pharmaceutical—Suggested as precursor in penicillin production.

Copper 3-Phenylsalicylate

Chemical—Compound which is soluble in aromatics, ketones, and aromatic naphthas, relatively insoluble in water.

Leather—Preservative.

Miscellaneous—Preservative for various products.

Textile—Preservative for fabrics.

Dimethyl Cyanamide

Miscellaneous—Organic compound offered as potentially useful to the paint and varnish, paper, petroleum, plastics, rubber, and textile industries.

2-Ethyl-N-caproic Acid

Pesticide—Repellent (US 2396012) in insect-repelling compositions.

Magnesium Stearate

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Cosmetic—Base for powders of various sorts, pastes, and creams.

Pharmaceutical — Dusting powder for various purposes.

Excipient and lubricant in making tablets.

Methyl 12-Hydroxystearate

Adhesives—Plasticizer (Can. 444434) in adhesive compositions containing ethylcellulose.

Cellulose Derivatives—Plasticizer (Can. 444434) for ethylcellulose.

Ceramic—Plasticizer (Can. 444434) in coating compositions, containing ethylcellulose, used for protecting and decorating ceramic articles.

Chemical—Plasticizer (Can. 444434) for ethylcellulose.

Electrical—Plasticizer (Can. 444434) in insulating compositions, containing ethylcellulose, used for covering wire and in making electrical machinery and equipment.

Leather—Plasticizer (Can. 444434) in compositions, containing ethylcellulose, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating — Plasticizer (Can. 444434) in coating compositions, containing ethylcellulose, used for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (Can. 444434) in coating compositions, containing ethylcellulose, used for protecting and decorating various kinds of articles.

Paint, Varnish, and Lacquer—Plasticizer (Can. 444434) in paints, varnishes, lacquers, enamels, and dopes containing ethylcellulose.

Paper — Plasticizer (Can. 444434) in compositions, containing ethylcellulose, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper and pulp.

Plastics — Plasticizer (Can. 444434) in making laminated-fiber and molded articles, also plastic materials from ethylcellulose.

Resin — Plasticizer (Can. 444434) in solutions and other compositions of resins and ethylcellulose.

Rubber — Plasticizer (Can. 444434) in coating compositions, containing ethylcellulose, used for decorating and protecting rubber products.

Stone—Plasticizer (Can. 444434) in coating compositions, containing ethylcellulose, used for decorating and protecting artificial and natural stone.

Textile—Plasticizer (Can. 444434) in compositions, containing ethylcellulose, used in the manufacture of coated fabrics.

Wood—Plasticizer (Can. 444434) in compositions, containing ethylcellulose, used as protective and decorative coatings on woodwork.

STEARIC ACID

OLEIC ACID

(RED OIL)

DISTILLED

FATTY ACIDS

ANIMAL AND VEGETABLE

WILSON & CO. INC.

WILSON-MARTIN DIV.

SNYDER AND SWANSON ST

PHILADELPHIA PA

TALLOW FATTY ACIDS GLYCERINE STEARIC ACID RED OIL WHITE OLEINE USP

STEARIC ACID

DISTILLED

Triple, Double and Single Pressed

Available in Cake, Flake or Powder

Highest Quality

A. GROSS & Company

All Pure Commercial

WAXES

Carnauba - Ouricury — Beeswax

Sole Agents

GENUINE

*Riebeck Brand Montan Wax

STROHMEYER & ARPE CO.

139 Franklin St., New York, N. Y.

Reg.

BEESWAX

U.S.P. YELLOW REFINED

U.S.P. WHITE SUNBLEACHED

THE F. B. KOSTER WAX REFINING CO.

GUILFORD Phone 999 CONN.

Tailor-made WAXES by ALLIED

Thanks to you...

THIS IS OUR 25th ANNIVERSARY

Hundreds of formulas for different types of wax in our files prove that Allied builds the wax formula to suit the product—

- for any temperature—warm or cold
- for any material—metal, rubber, paper, wood, or plastics
- for any method of application—laminating, brush, roller-coating or spraying in any form—in slabs, drums or solution

Allied starts in where others leave off in the compounding of special waxes. Our highly skilled staff of laboratory technicians—are constantly delving into new applications... new fields of use. Allied will take any wax problem, and give you that worthwhile *extra* in service and results.

STANDARD ALLIED WAXES

MICRO-CRYSTALLINE WAXES: For laminating and dipping purposes, wax-coatings, moisture-proofing, glassines, paraffine-extenders, etc. M.P. 130°F. up to 200°F. In olive-green, amber, natural yellow and white colors. Needle penetrations at 77/100/5 from 3 to 95.

CERESINES • OZOKERITE WAXES
GENUINE MONTAN WAX
AND OTHER BRANDS

BEESWAXES:
Synthetic and natural—bleached, chemically or naturally, U.S.P.

CARNAUBA EXTENDERS:
For No-Rub Floor Waxes and Carbon Papers.

SUBSTITUTE WAXES: JAPAN, MONTAN
MATCH WAXES
CABLE INSULATION WAXES

WAX AND OIL DIVISION

Allied Asphalt & Mineral Corp.

ESTABLISHED IN 1925

217 BROADWAY, NEW YORK 7 • FACTORY: DUNELLEN, N. J.

AGENTS AND WAREHOUSE STOCKS IN PRINCIPAL CENTERS

ATLANTA — Deeks & Sprinkel Co.
BALTIMORE — Warner-Graham Co.
BOSTON — Mulcahy & Griffin
BUFFALO — Wetherbee Chemical Co.
CHICAGO — Philip E. Cale Co.
CINCINNATI — Deeks & Sprinkel
CLEVELAND — Norman G. Schabel Co.
DETROIT — D. H. Osgood Co.
HOUSTON — Joe Coulsen Co.
KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — E. B. Taylor Co.
LOUISVILLE — Deeks, Sprinkel & Miller, Inc.
MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
NEW ORLEANS — Russell Chemical Co.
PHILADELPHIA — Lunt & Dilworth, Inc.
PITTSBURGH — B. Ostroff
PORTLAND, ORE. — Miller & Zehrung Chemical Co.
ST. LOUIS — Harry G. Knapp
SAN FRANCISCO — E. M. Wallis
SEATTLE — Carl F. Miller & Co.
TORONTO, CAN. — A. B. Paterson

"BUY WITH CONFIDENCE"

When you buy Used Machinery

FROM A REPUTABLE DEALER

RUBBER SHRIVER FILTER PRESSES

3—36" x 36" Shriver Rubber Filter Presses, semi-hard 1½" rubber plates, rubber covered 3" cast iron frames; 4-eye, corner feed, closed delivery, washing type. Each 18 chambers. Each with 50-ton Seco closing device.

2—6' dia. x 8' Oliver STAINLESS STEEL trough type continuous VACUUM FILTERS.

1—30" x 30" ALUMINUM PLATE AND FRAME FILTER PRESS, Sperry—43 chambers, side feed, open delivery, used on pectin. In excellent condition and for immediate shipment.

12—FILTER PRESSES, Cast Iron, 12" x 12", up to 42" x 42", open and closed delivery.

2—#12 SWEETLAND FILTERS, 36 leaves on 4", also 72 on 2".

2—900 gal. closed, jack., agit. STEEL KETTLES, motor driven.

2—Stokes Rotary Vacuum Dryers, 3' x 15' & 4' x 20', complete with Dust Collectors, Barometric Condensers and Pumps.

1—500 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 5'x6', jacketed, with drive and motor.

9—DOUBLE DRUM ATMOSPHERIC DRYERS: 28 x 60", 36 x 81" Black & Clawson; 32 x 72", 32 x 90", 32 x 100", 42 x 90", 42 x 100" Buffalo.

BUY WITH CONFIDENCE

A reputable dealer will often sell you for less than what you would pay an Auctioneer or a private seller, off the floor of a plant.

A reputable dealer's quotation usually includes dismantling and loading on car or truck. His price is your cost. You pay no "extras."

You buy from a reputable dealer with confidence that whatever representations he makes will be lived up to. He wants your business again. "Caveat Emptor" (let the buyer beware) is as obsolete as last week's newspaper, so far as our customers are concerned. So, when you want good Used Machinery, buy with confidence from CONSOLIDATED.

1—Baker Perkins Heavy Duty Dispersion Mixer—stainless steel, 100 gal. working capacity hydraulic tilt, suitable for vacuum, with drive and 60 HP motor, complete.

1—2,000 gal. STEEL KETTLE, jack., open top, agit., 7' x 7'6".

8—SINGLE DRUM ATMOSPHERIC DRYERS: Two UNUSED 48" x 48" Goslin-Birmingham; 48 x 40", 5 x 12' Buffalo; 4 x 5' chrome clad; 4 x 9' Albright-Nell.

2—150 gal. LEAD or PASTE MIXERS, 42" x 30", vertical arms.

2—6' x 8' Jacketed PORC.-LINED PEBBLE MILLS, motor driven.

10—BAKER PERKINS MIXERS, Jacketed and Unjacketed, 5 gal., 9 gal., 20, 50, 100, 150, 200 gallon.

60—40, 60, 80, 100, 150 gal. ALUMINUM JACKETED KETTLES, pressure tested.

1—J. H. Day Steam Jacketed ALUMINUM Horiz. 1,000# DRY POWDER MIXER.

9—DIRECT HEAT ROTARY DRYERS: 3'6" x 24'; 4' x 30'; 4'6" x 40'; 5' x 30'; 5' x 50'; 6' x 60'; 8' x 60'; 9' x 85'; 11'6" x 120'. Also ROTARY KILNS up to 9'6" x 250'.

2—5'4" x 40' Ruggles Coles STAINLESS STEEL ROTARY DRYERS for direct heat or low temperature hot air. Also one nickel dryer.

1—#1 BANBURY MIXER, chrome plated rotors, drive, 40 HP motor.

1—8' x 12' Oliver ACID PROOF FILTER, lead fitted.

1—8' x 15' OLIVER PRECOAT FILTER.

2—SIMPSON INTENSIVE MIXERS, #2, 6' dia.; #1½, 4'6" dia.

1—6' x 4' FLAKER, chrome-plated, M.D.

6—Day Roball Sifters, #71, 40" x 84", STAINLESS STEEL, Single Deck, motor driven.

2—2,500 lb. Horizontal Ribbon Type Powder Mixers.

ONLY A PARTIAL LISTING

● WE WANT TO BUY

YOUR IDLE EQUIPMENT

Send us your list

From Single Items to Complete Plants

THE KEY TO SAVING TIME AND MONEY

CONSOLIDATED PRODUCTS COMPANY, INC.

13-18 PARK ROW NEW YORK 7, N. Y.

Phone: BArclay 7-0600

WE BUY—WE SELL—

ALSO

LIQUIDATIONS—APPRAISALS

SEND FOR LATEST BULLETINS

FOR YOUR PROTECTION
Buy from a Reputable Dealer

SPECIAL ITEMS AVAILABLE

1—Tolhurst S.S. 48" Sus. Style Centrifuge, Perf. Basket, DMD.

1—ATM Co. S.S. 26" Sus. Style Centrifuge, Solid Basket, DMD.

1—Niagara Stainless Steel Leaf Filter, 60 Sq. Ft. filter area.

7—Type 347 Stainless Steel Coils 5' to 8' dia.

4—Type 347 Stainless Steel Bubble Cap Columns 6' x 30'.

1—Stokes 3' x 15' Stainless Steel Rotary Vac. Dryer.

2—Vac. Shelf Dryers—Buffalo 20 Shelf, 42" x 43" & Devine 15 Shelf 59" x 39".

1—L.O. Koven 200 gal. Steel Autoclave Jacketed, Agitated.

1—Patterson Kelly 150 gal. Steel Autoclave Jacketed, Agitated.

Over 400 additional units available
Send for our Bulletin A-25
We Buy Single Items to Complete Plants

The Machinery and Equipment Corp.

533 West Broadway
New York 12, N. Y GRamercy 5-6680

1—Aluminum 1,000 gal. Reaction Kettle, jacketed, agitated, coils.

3—Monel Tanks, 5' dia. x 4' high, closed, with coils.

2—Stainless Tanks, T304, 6,700 gal., open top.

3—Stainless Tanks, T347, 3,450 gal., closed top, coils.

3—Stainless Kettles, T347, 1,000 gal., flat top, agitated, non-jacketed.

20—Stainless Clad Jacketed Kettles, 40 gal. to 150 gal.

1—Sweetland #10 Filter.

1—Alsop Filter, T316 Stainless, SD-8-WR-10.

3—Filter Presses, Wood P&F, 30".

8—Filter Presses, C.I. P&F, 10", 12", 18", 24".

1—Rotary Vacuum Filter, 8' x 8', acid proof.

PERRY EQUIPMENT CORP.

1507 W. THOMPSON STREET • PHILA. 21, PA.

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Pfaudler, Glass-Lined, Jacketed Kettle, 6'x9', ASME Code, 150# internal Pressure.

3—Pfaudler, Glass-Lined Jacketed Reactors, 2,000 gals. cap.

6—Pfaudler, Glass-Lined Jacketed Reactors, 1,000 gals. cap.

11—Pfaudler, Glass-Lined Jacketed Kettles, 400 gals. cap.

27—Pfaudler & Glascote, Glass-Lined Jacketed Kettles, 150 to 450 gals. cap.

1—Stainless Steel, Jacketed Kettle, 500 gals. cap.

3—Stainless Steel, Jacketed Reactors, 1,000 gals. cap.

1—Stainless Steel, Jacketed Reactor, 70 gals. cap., anchor-type agitator.

R. GELB & SONS, INC.
UNION, N. J.

Est. 1886 UNionville 2-4900

CALL OR WRITE E C H FOR UNUSUAL BUYS

* A. HAROLD ALEXANDER
* M. D. LEIPZIG * ED MORRIS

Shriver 36" Jacketed Iron Filter Press.
Day 40 gal. Pony Mixer, 5 HP motor.
Stokes RD3 Tablet Machine, 5 HP.
3 Banbury Mixers, #00, #3 and #9 all with AC motors.
3' x 15' S.S. Rotary Vac. Dryer.
2 Devine Vac. Shelf Dryers 10 and 14 shelf single & double doors.
Lab. 4" x 8" New Hy Speed 3 Roll Mill.
New & Used S.S. Tanks & Kettles, all sizes.
Patterson Ball Mill 3½' x 4', Jktd., Chrome Manganese Steel Lined, 10 HP AC motor.
Farrel 24" x 66" 3 Roll Calender, with 100 HP 3 Ph. motor.

For Better Buys and Service
Phone SOuth 8-4451—9264—8782
"You Can BANK on the . . .

EQUIPMENT CLEARING HOUSE, INC.

289-10th ST., BKLYN 15, N. Y.

FMC

FIRST IN CHEMICAL EQUIPMENT-with ...a RENTAL PURCHASE PLAN

- AUTOCLAVES
- BALL MILLS
- CRUSHERS
- DRYERS
- EXTRUDERS
- EVAPORATORS
- FILLERS
- FILTERS
- HAMMER MILLS
- KETTLES
- MILLS
- MIXERS
- PRESSES
- PULVERIZERS
- REACTORS
- RETORTS
- SIFTERS
- STILLS
- TANKS
- VACUUM PANS

The FMC Guaranty is further fortified by our Rental Purchase Plan whereby you may try the machine before you buy it. Write for details.

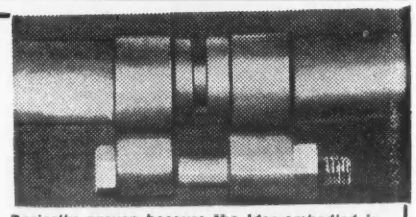
We COULD list a thousand items of good USED Equipment if we had the space. Why not drop us a line telling us what YOU want. Pictures, specifications will be on your desk before you know it.

Fred R. Firstenberg, Pres.

FIRST MACHINERY CORP.

157 HUDSON ST WOrth 4-5900 NEW YORK 13, N. Y.

DRUM PARTS SYSTEM
features Simple, Faster Closing Locking Ring!



A simple, basically proven locking ring that will save you time, trouble and leaky drums. Simple because it differs in only one important respect from the commonly used ring—that important difference is the simple, neat and inexpensive method of attaching the nut to the lug.

Basically proven because the idea embodied is identical with that used for bolted rings on ICC-17H drums. No loose nuts to fumble with. Perfectly engineered in every detail. And with DRUM PARTS Combination Closing Tool and Wrench your drums can be closed and sealed in a small fraction of the time required with other types of rings.

Write for complete details and specifications on DRUM PARTS SYSTEM.

DRUM PARTS, INC.

10311 MEECH AVE. CLEVELAND, OHIO

SPECIALS IN STOCK

Colton #4½ Single Punch Preform Tablet Machine, 1½" dia.
Mikro #1 SH Pulverizers 3 HP. Other sizes.
6—Anderson No. 1 Expellers.
1—#00 Raymond Mill 30 HP, complete.
4—French Oil 400-Ton Linseed Presses.
2—Dopp 1,000 gal. Jack. Agit. Kettles, Dopploy Acid Resistant & Iron.
1—Lehman 4 Roll W C, 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24"
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century 2 HP, 4 speed Vert. Mixer.
3—Baker Perkins heavy duty Jack. Mixers. 200, 100, 50, & 9 gals.
Stokes #2E Paste Filler, up to 5 gals. Impreg. Unit Lab. or Pilot Plant & up.
2—Abbe Pebble Mills, 6'x8' & 60"x48".
8—Abbe Jar Mills, Lab. to 6 gal. sizes.
2—Master drum type Blenders, 1,000#.
15—Sperry & Shriver, 12", 18", 24", 30", 32", 42" Iron & Wood Filter Presses.
2—12" Bronze & Rubber Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
4—Rotex Sifters, 20"x48" to 40"x84".
1—Allis-Chalmers 1 HP Gyratory Sifter.
3—Tyler 38 Jr. Hummer Screens, 20"x60".
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3".
1—Robinson 22" Ball Bearing Attrition Mill, double pulleys.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
2—Colloid Mills, 5 & 10 HP, Stainless.
2—DeLaval Multi. Clarifiers, #300 & 301.
Devine 500, 300 & 1,000 gal. closed steel Kettles & Stills, 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers, Sifters.
10—Stokes Vertical High Vac. Pumps.
3—Duriron 3"x2" Centrif Pumps.
1—Sturtevant 36" Rock Emery Mill.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
1—Revolvator hand operated 1,000#.
15—Port Elec. Mixers, ¼-2 HP.
Rotary Cutters Lab. to 40 HP.
8—Hammer Mills & Pulver., 3 to 50 HP.
6—Centrifugals, 26", 30" & 40".
4—#00 & #0000 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
Port. Elec. Mixers. Filling Machines.
Soap Machinery for Toilet, Laundry, etc.

WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY.

STEIN EQUIP'T CO.
90 WEST STREET, NEW YORK 6, N. Y.

"BUY BRILL"

Buy the BEST

3—Raymond 3 and 4-roll High Side Mills, complete with separators, fans, piping, etc.
4—Ross Engineering 2-Truck Atmospheric Steam Heated Dryers, 500 sq. ft. each.
4—Sperry 24"x24" rubber-covered P&F Filter Presses.
1—Continuous Jacketed Crystallizer, 2'x 15'.
1—#00 Banbury Mixer, with 10-HP motor.
1—Bird 54"x70" Continuous Centrifugal.
2—Tolhurst 40", 32" Suspended Type Bottom Discharge. Centrifugals, monel perforated baskets.
1—AT&M 48" Suspended Type Imperforate Stainless Steel Basket.
1—Tolhurst 26" Suspended Type Centrifugal, bottom discharge, steel perforated basket.
6—Sweetland Filters, Nos. 12, 10, 7, 2.
3—Sweetland Filters, #2, all stainless.
1—Oliver 3'x2' Rotary Vacuum Filter, stainless steel valve.
1—Swenson 4'x5' Steel Rotary Vacuum Filter.
6—Patterson, Abbe Pebble Mills, 6'x8', 6'x5', 3'x3½', 2'x3'.
3—Mikro Pulverizers, 4TH, 2TH, 1SH.
5—Rotex Sifters, 20"x48", 40"x56", 40"x 120".
2—Tyler Hummer Screens, 4'x5', with controls.
1—Pfaudler 100-gallon, glass-lined, jacketed, agitated Kettle.
5—Baker Perkins Double Arm Steam Jacketed Mixers, 100, 20, 9 and 2 gal.
8—Shriver, Sperry, 36", 32", 24", 18", 12" Cast Iron P&F Filter Presses.
2—Knapp, Burt Can Labelers, up to #10 cans.

COMPLETE LISTINGS, QUOTATIONS ON REQUEST

BRILL EQUIPMENT COMPANY
2401-THIRD AVE.
New York 51, N. Y.
Telephone CYpress 2-5703

Drums for Sale by USN

The United States Naval Air Station, Corpus Christi, Texas, is offering for sale 450 empty 55-gallon steel drums of 18 gauge. Bids will be taken up to August 23. Particulars are in catalog B-17-51.

FOR SALE

TANK CAR TANKS
For Storage
Coiled and Non-Coiled
Cleaned - Painted - Tested

7—8,000-Gallon
28—10,000-Gallon
1—4,500-Gallon, 3 Compartment
1—5,000-Gallon, 3 Compartment
4—6,000-Gallon, 2 Compartment
1—6,500-Gallon, 3 Compartment

Some of the above tanks are located in Kansas and Texas.

IRON & STEEL PRODUCTS, INC.
13454 S. Brainard Avenue
Chicago 33, Illinois
"ANYTHING containing IRON or STEEL"

Childress Joins GE

Vernon R. Childress has joined the marketing division of General Electric Company's chemical department, Pittsfield, Mass. Mr. Childress was a member of the staff of B. F. Goodrich Company, Akron, Ohio, from 1940 to 1947, working variously in research, materials control, sales and sales service. In 1947 he went to the O'Sullivan Rubber Company in Winchester, Va., where he served as manager of plastic sales until his recent move to General Electric.

FOR SALE

3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
249 Orient Ave., Jersey City 5, N. J.
DElaware 2-6698

ARC WELDERS

300 & 400 amps.—G. E. & HOBART
3/60/220 or 440 volts
Reconditioned & Guaranteed
All Current Models
VERY ATTRACTIVELY PRICED

HEAT & POWER CO., INC.
70 Pine St., Digby 8-0373, New York 5

FOR SALE

250 HP-125 PSI package type boiler.
Bucket Elevator 8"x5" contin. 40' c/c.
Smelting Furnace, U. S. No. 2.
Tyler Hummer, 20"x30".
Pebble Mills, Lab. sizes thru 6' dia.
Rotary Kilns, 24"x12', 54"x30'.
100 cfm Ing. Rand Air Compressor, w/m.
Oliver Filters, 5'4"x4', 6'8"x12' and 11'6" x18'.
12"x12" x 16"x10" Sturtevant crushing rolls.
Jaw Crushers: 3"x6", 7"x9", 5"x12", 10"x18", 12"x26".

LAWLER COMPANY
Durham Ave. & Lawler Pl., Metuchen, N. J.

FOR SALE

Machinery and Equipment for the entire CHEMICAL & ALLIED INDUSTRIES

Ball Mills	Dryers, All Kinds
Centrifugals	Filter Presses
Evaporators	Mixers, All Kinds
Expellers	Paint Machinery
Kettles	Plastic Machinery
Pulverizers	Rubber Machinery
Screens	Soap Machinery
Vacuum Pans	Tablet Presses

Send for detailed listing
Our stock is constantly changing

EAGLE INDUSTRIES, INC.
110 WASHINGTON STREET
New York 6, N. Y. Phone: Digby 4-8364

Over Fifty Years of Dependable Service

NEWMAN TALLOW & SOAP MACHINERY CO.
1051 W. 35th St. Chicago 9, Ill

Baker Perkins sigma type cast steel blade Mixers, size 15, type V1H, class BS, 150 gal. cap., working cap. 100 gal., jktd. sides, tested 50 psi, pulley drive, recond.
Ribbon Mixers: Day, Howes, Robinson, etc.
Pony Mixers: 8 to 40 gal.
Roller Mills: High and low speed.
Filter Presses: All sizes.
Labelers: Auto. and semi auto.
Filling Mach.: Powder, liquid, paste.

LIQUIDATING

Surplus Equipment of Two Large Chemical Manufacturers

SOME EQUIPMENT — NEVER USED MOST EQUIPMENT — LIKE NEW
NO REASONABLE OFFERS WILL BE REFUSED

From Power Plant to end of Operation — Boilers — Tanks — Pumps — Filters — Mixers — Jacketed Kettles — Condensers — Refrigerating Equipment — Stills — Extractors — Centrifuges — Steam Jacketed Filters — Explosion-proof Motors and Starters

Write or wire for complete list — every piece must be sold

H. LOEB & SON
4643 LANCASTER AVENUE PHILADELPHIA 31, PA.

DOUBLE DRUM DRYER

BUFFALO 32" DIA x 30" LONG

EMSCO EQUIPMENT CO.
AFFILIATE OF EMIL A. SCHROTH
73 Hyatt Ave., Newark 5, N. J.
Phone: Mitchell 2-3536

WE WILL BUY YOUR

Surplus Chemicals

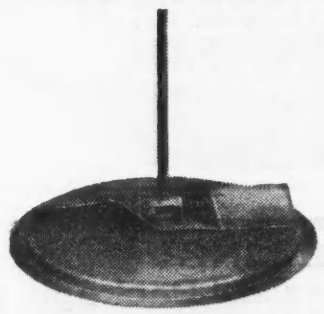
SOLVENTS WAXES OILS RESINS DRUGS ETC.

WIRE OR PHONE FOR IMMEDIATE ACTION!

All offers held in strictest confidence.

Barclay CHEMICAL COMPANY, INC.
77 VARICK STREET NEW YORK 13, N. Y. · WO 4-5120

WOODMAN
DRUM
AGITATOR



THE IDEAL DRUM AGITATOR!
—CHECK THESE FEATURES:

- QUICKLY ASSEMBLED—No bridge to weld—No pin to insert into agitator rod.
- AGITATOR BECOMES INTEGRAL PART OF DRUM—It is anchored to bottom by a standard ¾ inch cast iron plug screwed into a ¾ inch tri-sure flange.
- BLADE BRINGS UP ALL PIGMENT FROM BOTTOM—Blade is within ¼ inch of bottom. Its 45° pitch assures thorough mixing of all pigments, oils and solvents.
- AGITATOR COMES KNOCK-DOWN — This saves storage space.

WRITE FOR INFORMATION AND PRICES

WOODMAN AGITATOR, INC.
15625 NORMANDY AVENUE
CLEVELAND 11, OHIO

MACHINERY—
"As You Like It"

1—6' dia. Rogers copper vac. pan.
1—NEW Swenson single effect vertical film type evaporator.
1—Abbe 42" x 48" chrome-manganese steel pebble mill—15 H.P. MD.
1—Lancaster 54" stainless steel No. 4 mixer.
8—Day, Lehman, Buehler 3 & 5 roll mills—12" x 32" & 16" x 40"—MD.
1—Paul O. Abbe #2 rotary cutter—60 H.P. MD.
1—Abbe #6 32" x 36" all steel ball mill—3 H.P. MD.
1—Pfaudler style M 200 gal. reenameled jack. & agit. vac. still.
6—Rotex sifters, 20 x 48, 40 x 60, 40 x 120—1 to 4 separations.
1—NEW 100 gal. lead lined vac. still with 66 sq. ft. lead condensor.
2—Sweetland #7 filters, 166 sq. ft.—S.S. covered leaves.
1—NEW Eimco 4' x 1' carbon steel vacuum filler.

TWO NEW BULLETINS—1950-1951 "New Equipment" Bulletin and 2nd edition of our "Literature Pack-Ette" JUST OFF THE PRESS. SEND FOR THEM TODAY.

CHEMICAL & PROCESS
MACHINERY CORPORATION
146 GRAND ST. • NEW YORK 13
WOrth 4-8130

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication

AGENCIES WANTED

Organization selling to manufacturers wants agency from producers of chemicals which have large repeat potentialities. Have selling force. Commission basis. Can prove ability by showing what we have done up to date. OPD 408.

EQUIPMENT OFFERED

Stokes High Vacuum pumps—212C, water cooled, 100 cfm; V-drive; used 3 months; satisfaction guaranteed, $349. Some unused available, $425; inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

EQUIPMENT WANTED

Hoover Mullers Wanted (2). OPD 402.

FACILITIES OFFERED

Custom Grinding to micron sizes: Pharmaceuticals, Food Products, Abrasives, Chemicals, Minerals, Waxes and Resins. Avoid capital expenditures and royalties while developing new product sales. Use our experienced technical staff—micronizing equipment—mixing, packaging and shipping facilities. OPD 309.

FACTORIES OFFERED

Factory Building—One story, 17,000 sq. ft. (additional space available); concrete floor with drains, sprinkler system, good headroom. High pressure steam available; low rent; unrestricted district in Brooklyn, near subway. The R. L. Kraft Company, Woolworth Bldg. COrtlandt 7-9377.

FOR SALE

Proven chemical formulas for sale. Volume government war-time market; also adaptable commercial use. OPD 405.

MANUFACTURING FACILITIES

Pharmaceutical Manufacturing laboratory: bulk suppliers of all type pharmaceutical preparations, liquids, tablets, vitamin specialties. We have 30 years of pharmaceutical manufacturing "Know How." Reg. Ph. in charge. Write or phone for information and quotations. U. N. Laboratories, 24 Horatio Street, New York 14, N. Y. Phone ORegon 5-3569.

MATERIALS OFFERED

Offering large quantities dimethyl phthalate, ethyl hexanediol, chrome alum, lead oleate, borax crystals, insect repellent, insect sprays. At attractive prices. OPD 411.

MATERIALS WANTED

We need titanium dioxide, anatase, water dispersable, low oil absorption grades; also sodium nitrite. Will consider trading chemicals you need at market. Please let us know quantities of TiO_2, or nitrite, available and what you require. Outright purchase of TiO_2 possible. Contact Dyechem Corp., 60 Broad St., New York 4, N. Y. Tel. BOwling Green 9-1964.

To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots many items chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 415.

Titanium dioxide pigments; also aniline, glycerine, soda ash, zinc pigments, phenol, benzene and surplus chemicals of all kinds. OPD 409.

Wanted: Crude Coal tar and Water Gas Tar in quantities. We have facilities for immediate removal. R. R. Tank Cars, Tank Trucks, Storage Tanks. P. S. Kramer, Tar Refiner, 7 Smith Street, Paterson 1, N. J.

PLANTS WANTED

Factory wanted to rent or buy; unrestricted area up to 50 miles from New York; for heavy chemical production; railroad siding, waste disposal facilities; 5,000-10,000 sq. ft., plus yard space. OPD 414.

Plant wanted in New Jersey within 30 mile radius of New York City, with large yard space, storage tanks and high pressure boiler. Railroad siding desirable. Lease, purchase or partnership arrangement. OPD 413.

Buy or lease moderate size plant; preferably with equipment suitable for manufacture of organic chemicals and pharmaceutical intermediates. Location metropolitan area, Central New Jersey preferred. Write OPD 410.

PLANTS WANTED

Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS WANTED

Young laboratory technician. Extensive experience in production and control of alkyd resins, varnishes and paints; three years of college. Seeks position offering future in the New York City area. OPD 406.

Paint Chemist: Graduate, 10 years' experience industrial finishes, trade sales, varnish, technical sales service, plant manager. Presently employed, desires change; metropolitan New York area only. OPD 412.

NEW ENGLAND CHEMICAL & SUPPLY CORP.
5 South Commercial St. Manchester, New Hampshire
TELEPHONE: 5-8022
•
Serving industrial New Hampshire and Northern New England on industrial chemicals and chemical specialties.

PRICES HIGH! SELL NOW!
URGENTLY NEEDED
Pigments, Chemicals, Pharmaceuticals, Plasticizers, Solvents, Dyes, Oils, Waxes, Alkalies, Phosphates, etc.
Chemical Service Corporation
88 BEAVER STREET, NEW YORK 5, N. Y.
HANover 2-6970

CUSTOM MILLING
Blending, Impregnating and Packaging
B. K. PANCOAST COMPANY, INC.
REctor 2-0167 42-64 Fairmount Ave., Jersey City 4, N. J. BErgen 4-5039

WE BUY
SURPLUS CHEMICALS
PLASTICIZERS — RESINS — OILS — WAXES — ETC.
MANUFACTURERS PRODUCTS CO.
521 FIFTH AVE., NEW YORK 17 MUrray Hill 2-2528

WE BUY
SURPLUS
Chemicals • Colors
Pigments • Starches • Solvents
Waxes • Glues • Drugs
Oils • Gums • Dyes
By-Products, Wastes of all kinds
EASTERN COLOR & CHEMICAL CO.
145-147 Nassau St. New York 7, N. Y.
Cortlandt 7-7441, Ext. "A"

WANTED
SODIUM CARBONATE MONOHYDRATED
Any amount up to a car
Write or L. D. Phone
JOHN G. MARSHALL MFG. CO., Inc.
167 North Ninth St., Brooklyn 11, N. Y.
Phone EVergreen 7-6600

Bids Wanted

Acetylene, Cleveland Transit Board, (Cleveland, Ohio), resolution 727-50, August 18.

Baking powder, 57,920 pounds, New York State Division of Standards & Purchase, (Albany, N.Y.), invitation 1375, August 25.

Cosmetics, various, Justice Department, (Petersburg, Va.), invitation 8-352, August 16.

Cutting agent, 20 drums, Army Ordnance Department, (Springfield, Mass.), invitation 6, August 28.

Demerol hydrochloride, 720 boxes, Panama Canal Purchasing Department, (Washington 25, D.C.), invitation 7484, August 18.

Drugs and chemicals, various, Panama Canal Purchasing Department, (Washington 25, D. C.), circular 7447, August 17; Veterans Administration, (Washington 25, D.C.), invitation A-11, August 21; invitation A-10, August 18; invitation A-12, August 22.

Duplicating liquid, 1,000 gallons, Federal Supply Service, (Washington 25, D. C.), reference 91596/3, August 28.

Ferrous sulphate, 10,200 bottles, Army Medical Corps, (Brooklyn, N.Y.), invitation 65, August 16.

Fire extinguisher, liquid, 2,500 cans, Federal Supply Service, (Chicago, Ill.), reference 24211, August 21.

Floorwax, 500 gallons, Federal Supply Service, (Chicago, Ill.), reference 24210, August 31.

Food coloring, 228 bottles, Federal Supply Service, (Washington 25, D.C.), invitation 1D-91735, August 25.

Fuel oil, various quantities, Armed Services Petroleum Purchasing Agency (Washington, D.C.), invitation 82-H, August 29.

Grease, various quantities, Armed Services Petroleum Purchasing Agency (Washington, D. C.), invitation 14, August 22.

Hydraulic oil, 2,475 gallons, Navy Supply Officer, (Portsmouth, N. H.), invitation 102-7895, August 21.

Ink, duplicating, 17,740 cans, Federal Supply Service (Washington 25, D.C.), reference 91590/2, August 23.

Leather finish, liquid, 6,750 gallons, Army Quartermaster Corps, (New York 3, N.Y.), invitation 84, August 21.

Lubricants, various quantities, Armed Services Petroleum Purchasing Agency (Washington, D.C.), invitation 14, August 22.

Mayonnaise dressing, 15,300 quarts, Army Quartermaster Corps, (Fort Bragg, N.C.), invitation 2, September 14.

Milk, powdered, skim, 148,750 pounds, whole, 30,200 pounds, New York State Division of Standards & Purchase, (Albany, N.Y.), invitation 1408, August 29; dry, 423,040 pounds, Army Quartermaster Corps, (Chicago, Ill.), invitation 101, August 28.

Nitrogen, 250 cylinders, Army Ordnance Department, (Metuchen, N.J.), invitation 28, August 24.

Nutmeg, ground, 720 pounds, Veterans Administration, (Washington 25, D.C.), invitation 192-S(D), August 24.

Oleomargarine, 215,952 pounds, New York State Division of Standards & Purchase, (Albany, N.Y.), invitation 1324, August 16.

Oxygen, Cleveland Transit System (Cleveland, Ohio), resolution 727-50, August 18.

Paint and varnish, various, Army Chemical Center, Md., invitation 88, August 16; 660 gallons, Army Engineers Corps, (Memphis 1, Tenn.), invitation CIVENG-18, August 29; 216 quarts, Public Buildings Service, (Washington 25, D.C.), reference 114, August 16; Public Buildings Service, (San Francisco 11, Calif.), reference SF-1-12C, August 22; 1,235 gallons, Navy Aviation Supply Office, (Philadelphia 11, Pa.), invitation B-51,200, August 31; 8,000 gallons, invitation B-51,166, August 29; 1,200 gallons, invitation B-51,223, September 1; 1,350 gallons, invitation B-51,221, September 1; 2,000 gallons, invitation B-51,208, August 31; 650 gallons, Bureau of Reclamation, (Cody, Wyo.), invitation 601-S-58, August 24; 1,180 gallons, Federal Supply Service (Washington 25, D.C.), invitation 5G-91631, August 21; 396 gallons, Federal Supply Service (New York 13, N.Y.), invitation NY-W-23635, August 23; 80 gallons, Federal Supply Service, (Seattle 4, Wash.), invitation 4-E-8-CR-1; August 21.

Paint remover, 2,100 gallons, various deliveries, Navy Aviation Supply Office, (Philadelphia 11, Pa.), invitation B-51,198, August 31.

Paint thinner, 2,240 gallons, Federal Supply Service (New York 13, N. Y.), references NY-635, NY-637, NY-639, NY-640, August 21; 264 gallons, invitation NY-W-23635, August 23; 440 gallons, Army Chemical Center, Md., invitation 88, August 16.

Pepper, black, ground, 45,000 pounds, Army Quartermaster Corps, (New York 3, N.Y.), invitation 113, August 17; 22,500 boxes, Veterans Administration, (Washington 25, D.C.), invitation S-40, August 24.

Phosphatizing material, 12,500 pounds, Army Ordnance Department, (Metuchen, N.J.), invitation 41, August 18; 12,200 pounds, invitation 42, August 18; 15,950 pounds, invitation 43, August 18.

Photographic developer, 5,520 packages, Federal Supply Service, (Washington 25, D.C.), reference 91594/3, August 28.

Plastics, 11,295 sheets, various deliveries, Navy Aviation Supply Office (Philadelphia 11, Pa.), invitation J-51,199, August 24.

Polishes, furniture, liquid, 7,500 gallons, Navy Purchasing Office, (New York, N.Y.), invitation 7082, August 31; various, Federal Supply Service, (Washington 25, D.C.), reference 91597/3, August 25.

Polymer polysulphide, 2,000 gallons, Navy Aviation Supply Office, (Philadelphia 11, Pa.), invitation B-51,239, August 17; 2,400 gallons, invitation B-51,214, September 1.

Salt, evaporated, 22,500 boxes, Veterans Administration, (Washington 25, D.C.), invitation S-40, August 24.

Soap, various, as required during period from October 1 through October 15, 1950, Veterans Administration, (Washington 25, D.C.), invitation S-36, August 21.

Sodium chromate, 3,000 pounds, Navy Purchasing Office (New York, N. Y.), invitation 7081, August 30.

Sweeping compound, 500 containers, Federal Supply Service (Cleveland, Ohio), reference C1-224-51, August 21; 500 containers, invitation CL-224, August 22.

Tallow, 28,000 pounds, Navy Purchasing Office (Norfolk, Va.), invitation 9122, August 22.

Vaccines, various, Army Medical Corps (Brooklyn, N. Y.), invitation 59, August 16.

Water-resistant adhesive, 3,900 gallons, Navy Aviation Supply Office (Philadelphia 11, Pa.), invitation B-51,212, September 1.

Weed killer, 10,000 pounds, Bureau of Reclamation (Cody, Wyo.), invitation 601-R-213, August 21.

Zinc peroxide, 1,200 bottles, Army Medical Corps (Brooklyn, N. Y.), invitation 84, August 23.

Pitts. Plate Glass Names Peterson Wage Director

Pittsburgh Plate Glass Company, Pittsburgh, has appointed Carl M. Peterson director of wage and salary administration. Mr. Peterson joined the Pittsburgh concern in 1946 as a member of the industrial relations department. He previously was an administrative assistant at Massachusetts Institute of Technology, and was earlier associated with Polaroid Corporation in a supervisory capacity and with York Machinery Corporation as an industrial engineer.

Oils, Fats and Waxes

—*Continued from page 74*

prices. Offerings by resellers continued liberal, which drove down the price on both extracted and expeller meal. At week's close extracted and expeller linseed meals were both quoted at $67.50 per ton, bulk, in carlots, f.o.b., Minneapolis. New crop linseed meal was quoted at about on parity with old-crop.

Shipments of linseed meal from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	10,980,000	14,880,000
Since Sept. 1	765,181,500	634,160,000

Peanut Meal—Forty-five percent old process meal was offered at $86 per ton, South Georgia mills for immediate shipment, with 45 percent solvent meal about $1 per ton less. Supply continued fairly tight as we get closer to new crops.

Soybean Meal—With old crop southeastern meal practically exhausted, Decatur meal is making the market. Because of government forecast of smaller cotton crop, prices became firmer. Spot 44 percent was quoted at $71 per ton bulk Decatur, September at $68 and October through September at $58.50 bulk, same basis.

Waxes

Beeswax—Increased cost of crude and scarcity of offers for shipment further stiffened this market. Quotations for crude and refined were lifted 2c. per pound. African crude was quoted nominally at 52c. to 54c. and Brazilian, 53c. to 54c. per pound, spot, depending upon quantity and seller. Refined yellow slabs was held at 58c. to 59c. per pound and bleached white slabs, 68c. to 69c., as to quantity.

Carnauba—Consuming demand continued active and scarcity of supplies advanced prices at least 5c. per pound, last week. Offers for shipment were scarce and closely held. No. 3, crude was quoted at 90c. to 91c. and refined 95c. to 96c. per pound, spot, depending upon seller and quantity. Yellow, No. 1 was scarcer and sales were reported up to $1.16 per pound, with $1.18 asked in some quarters.

Ouricury—Refined ouricury was in light supply and quoted nominally at 90c. per pound, spot delivery.

Advertising Index

Albemarle Paper Mfg. Co. 71
Allied Asphalt & Mineral Corp. 75
Aluminum Co. of Canada, Ltd. 11
American Coating Chemicals Co. 71
American Cyanamid Co., Industrial Chemicals Div. 44
American Firstoline Corp. 44
American Flange & Mfg. Co., Inc. 21
American Key Products, Inc. 53
American Mineral Spirits Co. 46
American Potash & Chemical Corp. 58
Archer-Daniels-Midland Co. 27
Arnold-Hoffman & Co., Inc. 73
Atlas Powder Co. 57

Baker & Adamson Products, General Chemical Div., Allied Chemical & Dye Corp. 16, 44
Baker, J. T., Chemical Co. 1
Barcan, Irving, Co. 77
Barclay Chemical Co. 43, 77
Barrett Division 48, 50
Bay Chemical Co., Inc. 42
Bethlehem Steel Co. 52
Birch Products Corp. 49
Bower, Henry, Chemical Mfg. Co. 49
Bowman, Charles, & Co. 59
Brill Equipment Co. 77
Brode Corp., The 74
Bush, W. J., & Co., Inc. 66

Calif. Fruit Growers Exchange, Products Dept. 28
Carbide & Carbon Chemicals Div., Union Carbide & Carbon Corp. 57, 58
Celanese Corp. of America, Chemical Div. 80
Chematar, Inc. 52
Chemical & Process Machinery Co. 77
Chemical Service Corp. 56, 78
Chemical Solvents, C. P., Inc. 80
Church & Dwight Co., Inc. 43
Colgate-Palmolive-Peet Co. 56
Columbia Can Co., Inc. 71
Concord Chemical Co. 38
Conray Products Co. 54
Consolidated Chemical Industries, Inc. 79
Consolidated Products Co., Inc. 76
Continental Can Co. 14
Cooper, T. G., & Company 52
Cortizas, M., & Company 65
Cosmos Chemical Corp. 59
Coupe, Robert A. 44

Darling & Co. 74
Dawe's Vitamins, Inc. 57
Devold, Peder, Oil Co., Inc. 59
Dickerson Company 48
Dickinson, J. Q., & Co. 57
Diehl, Wm., & Co. 74
Dodge & Olcott Co. 68
Dow Chemical Co. 13, 64
Drew, E. F., & Co., Inc. 26
Drum Parts, Inc. 76
Duff Chemical Co., Inc. 42
Dunkel, Paul A., & Co., Inc. 63
Du Pont de Nemours, E. I., & Co., Inc. 1, 80
Durez Plastics & Chemicals, Inc. 71

Eagle Industries, Inc. 77
Eastern Color & Chemical Co. 78
Eelsingh & Lugtigheid 58
Elbert & Co., Inc. 49
Emery Industries, Inc. 29
Empire Chemical Co., Inc. 58
Emsco Equipment Co. 77
Equipment Clearing House, Inc. 76
Esso Standard Oil Company 30

Fairmount Chemical Co., Inc. 59
Filtrol Corp. 31
Fine Organics, Inc. 58
Firmenich & Co. 69
First Machinery Corp. 76
Florasynth Laboratories, Inc. 66
Fritzsche Brothers, Inc. 66
Fulton Bag & Cotton Mills 32

Gane & Ingram, Inc. 57
Gartenberg, H., & Co., Inc. 53
Gelb, R., & Sons, Inc. 76
General American Transportation Corp. 36
General Biochemicals, Inc. 59
General Magnesite & Magnesia Co. 54
Givaudan-Delawanna, Inc. 67
Gray, William S., & Co. 1
Greeff, R. W., & Co. 18, 54
Gross, A., & Co. 75

Hardesty, W. C., Co. 73
Heat and Power Co., Inc. 77
Heckathorn & Co., Ltd. 49
Hexagon Laboratories, Inc. 45
Heyden Chemical Corp. 25
Hoffmann-La Roche, Inc. 58
Hopkins, J. L., & Co. 63
Huisking, Chas. L., & Co., Inc. 59
Hutchinson, D. W., & Co., Inc. 66

Industrial Chemical Sales, Div. West Virginia Pulp & Paper Co. 74
Industrial Raw Materials Corp. 54
Inland Alkaloid Company 55
Iron & Steel Products Co. 77

Jefferson Chemical Co. 20

Kessler Chemical Co., Inc. 47
Koch, W. Walter, Co. 52
Kolker Chemical Works, Inc. 48
Koppers Company, Inc. 51
Koster, F. B., Wax Refining Co. 75
Krim Ko Company 65

Lamex Chemical Corp. 59
Lawler Company 77
Lemke, B. L., & Co., Inc. 58
Lever Brothers Company 56
Loeb, H., & Son 77

Machinery & Equipment Corp. 76
Magnus, Mabee & Reynard, Inc. 66, 69
Mallinckrodt Chemical Works 19, 72
Malmstrom, N. I., & Co. 74
Manufacturers Products Co. 78
Marshall, John G., Mfg. Co., Inc. 78
Mathieson Chemical Corporation 22
McKesson & Robbins, Inc. 55
Merchants Chemical Co. 12
Merck & Co., Inc. 8
Metasap Chemical Co. 24
Miel, George A., Co., Inc. 73
Millmaster Chemical Corp. 80
Monsanto Chemical Co. 15
Montrose Chemical Co. 18
Munn, W. A., & Co. 57
Mutual Chemical Co. of America 53

National Aniline Div. 35
National Milk Sugar Co. 57
Natural Products Refining Co. 53
Neuberg, William D., Co. 49
Neville Company 80
New England Chemical & Supply Corp. 78
New Jersey Zinc Company 39
Newman Tallow & Soap Machinery Co. 77
Norda Essential Oil & Chemical Co., Inc. 68

Ohio-Apex, Inc. 71
Oldbury Electro-Chemical Co. 42
Old Dutch Mustard Co. 65
Orbis Products Corp. 65
Ortho Chemical Corp. 59
Osborn, C. J., Co. 71

Pacific Coast Borax Co. 1
Pancoast, B. K., Co., Inc. 78
Parsons, M. W. 72
Pelamay Products 44
Penick, S. B., & Co. 62
Pennsylvania Industrial Chem. Corp. 70
Pennsylvania Refining Company 46
Perry Equipment Corp. 76
Petrolite Corp., Ltd., Wax Division 47
Pfaltz & Bauer, Inc. 56
Pfizer, Chas., & Co., Inc. 41
Pittsburgh Coke & Chemical Co. 52
Pittsburgh Plate Glass Co., Columbia Chemical Div. 43
Plax Corporation 58
Prentiss, R. J. & Co., Inc. 62
Prior Chemical Corp. 1
Procter & Gamble 56
Publicker Industries, Inc. 10

Quaker State Oil Refining Corp. 47

Read, Chas. L., & Co., Inc. 43
Reade Manufacturing Co., Inc. 71
Reinhart Chemical Corp. 52
Republic Steel Corp. 51
Riches-Nelson, Inc. 80
Richter, Gedeon, Pharmaceutical Prods., Inc. 56
Rosenthal Bercow Co., Inc. 80
Roure-Du Pont, Inc. 67
Rufert Chemical Co. 74

Santonine Co. of America 59
Scandinavian Oil Co., Inc. 74
Schimmel & Co., Inc. 68
Seldner & Enequist, Inc. [illegible]
Sharples Chemicals Inc. 1
Shell Chemical Corp. 37
Shell Oil Co., Inc. [illegible]
Smith, George F. 43
Solvay Sales Div., Allied Chemical & Dye Corp. 33,

Staley, A. E., Mfg. Co. 57
Stauffer Chemical Co. 45
Stein Equipment Co. 77
Sterwin Chemicals, Inc. 65
Strohmeyer & Arpe Co. 75
Strong Cobb, Inc. 17
Swanson, C. A., & Sons. 52
Synthetic Products Co. 70
Syntomatic Corp. 69

Tennessee-Eastman Corp. 23
Texas Gulf Sulphur Co., Inc. 49
Thompson-Hayward Chemical Co. 42
Thornton, F. C., Co. 47
Thurston & Braidich 65
Treemond Company 56

Ultra Penn Refining Co. 47
Ungerer & Company 67
Union Carbide & Carbon Corp., Carbide & Carbon Chemicals Div. 57, 58
United Fuel Gas Co. 47
U. S. Steel Products Co. 72
United States Potash Co., Inc. 48

van Ameringen-Haebler, Inc. 68
Van Gelder Fanto Corp. 64
Verona Chemical Co. 67
Vitamerican Oil Corp. 58

Westvaco Chemical Div. 2
Whitman, William, Co., Inc. 74
Wilson-Martin Div. 75
Wirz, A. H., Inc. 34
Woodman Agitator, Inc. 77
Woodward Iron Co. 52
Woburn Chemical Corp. (N. J.) 6

Young, The J. S., Company 53

Zink & Triest Co. 65
Zinsser & Co., Inc. 44
Zophar Mills, Inc. 80

Calif. Powder Plant Fire Destroys Three Buildings

Fire in the Bermite Powder Company plant near Saugus, Calif., recently destroyed three buildings and did damage estimated by the concern at approximately $200,000. A stray spark, which ignited some waste strontium nitrate powder, was believed to be the cause of the blaze. The buildings destroyed were used to produce railroad fuses and highway flares.

Olivier to Join Sterling Inst.

Dr. Maurice C. Olivier will join the pharmacodyanamic research group at the Sterling-Winthrop Research Institute, Rensselaer, N. Y., on or about August 15. Dr. Olivier, who succeeds Estelle Ananenko in the post, received his doctorate degree from the University of Southern California in 1949.

CAN YOU USE LOWER COST

sulphuric acid?

• In many cases where high purity sulphuric acid is not necessary, tremendous savings can be realized through the use of an appropriate grade of spent acid.

An interesting additional advantage worthy of investigation is this: some products made with spent acid have better physical properties than those made with high-purity acid.

We handle hundreds of tons of spent acids every day. These acids vary widely from high quality to low acidity, and are priced in proportion.

Industries that require large tonnages of low cost acid should give careful thought to locating in the Gulf Coast area where this type of material is available in great quantity. Write to us for information concerning the strengths and grades of spent acid that are available. We shall be pleased to assist you.

CONSOLIDATED CHEMICAL INDUSTRIES INC.

ADDRESS INQUIRIES TO: 640 MELLIE ESPERSON BLDG., HOUSTON 2, TEXAS
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.

PETROLEUM EXTENDERS

Textile Spirits - Lactol Spirits - Benzol - Toluol - Xylol

CHEMICAL SOLVENTS INCORPORATED

WOrth 2-7763 • MArket 2-3650 60 PARK PLACE, NEWARK 2, N. J.

NATURAL REFINED

CAMPHOR

POWDER TABLETS

ROSENTHAL BERCOW CO., INC.

Drugs Chemicals Oils Waxes

25 EAST 26th STREET, NEW YORK 10, N. Y.

Cable Address "RODRUG" All Codes

SODIUM

IMMEDIATE DELIVERY

DU PONT

REG. U.S. PAT. OFF.

DRUMS, 280 or 290 lbs., net — 1, 2½, 5, 12½ lb. bricks

TANK CARS, 80,000 lbs. net

E. I. du Pont de Nemours & Co. (Inc.)

Electrochemicals Department

Wilmington 98, Delaware

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

Zophar GILSONITE

ZOPHAR MILLS QUALITY SERVICE 100 YEARS EXPERIENCE

Ore is Bold and Clean.
All Screened at the Mine.

Melting points 275°, 305° and 330° F. Carload Shipments from Provo, Utah. L.C.L. Shipments from Brooklyn Warehouse.

ZOPHAR MILLS, Inc.

Established 1846

112-26th STREET • BROOKLYN, N. Y.

NEVILLE

OXIDIZING RESINS

THE NEVILLE COMPANY

PITTSBURGH • PA.

ALUMINUM SULPHATE
SODIUM FLUOSILICATE
SULPHURIC ACID

RN

RICHES-NELSON, INC.

Chemicals and Allied Products

MURRAY HILL 7-7267
RICNELCHEM, N Y

342 MADISON AVENUE NEW YORK 17, N. Y.

LOOK TO Celanese

FOR ORGANIC CHEMICALS

Sectional view of the Chemcel Plant, Bishop, Texas.

FORMALDEHYDE
PARAFORMALDEHYDE
ACETALDEHYDE
PROPIONALDEHYDE
ACETIC ACID
ACETONE
METHANOL
n-PROPYL ALCOHOL
BUTYL ALCOHOLS
PROPYLENE GLYCOL
DIPROPYLENE GLYCOL
TRICRESYL PHOSPHATES
SPECIAL SOLVENTS

Celanese* CHEMICALS

CELANESE CORPORATION OF AMERICA

Chemical Division

180 Madison Avenue, New York 16, N. Y. *Reg. U. S. Pat. Off.

TOLCIL

3-ortho-toloxy-1, 2-propanediol
(Mephenesin NNR)

n-BROMOSUCCINIMIDE

RUTIN

UNDECYLENATES

MILLMASTER

CHEMICAL CORPORATION

420 Lexington Avenue, New York 17, N. Y.

Cable Address "MILLMASTER"